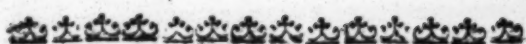


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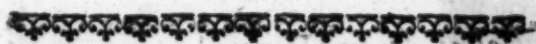


MR. HOPPUS'S MEASURER

GREATLY ENLARGED

AND

IMPROVED.



THE ATTESTATIONS of several ingenious Gentlemen (who have appeared in PRINT) in Favour of this Work.

I. THE Content exhibited by the *Girt* is the *most just*, giving near a *Medium* in Content or Quantity between the Extreame of Measuring by the *Geometrical Way*, and by the *Square within* (both which Ways are in some Cases liable to Objection) and is certainly the *most equitable* Way of measuring, between the *Buyer* and *Seller*; and therefore TABLES were, with *just Reason*, more particularly adapted, and the RULES given for *that* Way of Mensuration, which hath obtained to be a *reasonable* and *customary* Method.

E. HATTON, *Gent.*

II. THERE hath been great Pains taken by several Authors upon this Subject, endeavouring to set aside this *customary* Way of Measuring, but since a CUSTOMARY PRICE is settled accordingly, it is but a *vain* and *fruitless* Attempt; because if *the one* is altered, *the other* must be altered also; which comes to the same Thing.

EDWARD LAURENCE,
Land Surveyor.

III. TO make a Bustle about an *absolute* Exactness in Tables of this Kind is *idle*, and can argue no great Sagacity: For to pretend to *refine* upon these Things which are of a PRACTICAL Nature, to any Degree beyond what is ever likely to be admitted into PRACTICE, is not only an Argument of *great Vanity*, or *little Judgment*, but discovers a stronger Inclination to *amuse* Mankind, than to do them any *real Service*.

CHARLES LEADBETTER,
Teacher of the Mathematics, London.

-
- I. See his Vindication of Measuring by the *Girt*.
II. See his Office and Duty of a Land Steward.
III. See his Observations on *Worgan's Tables*.



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Made Easy

To the Meanest Capacity

BY

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Shewing the Excellence of this New Method of Measuring, and Demonstrating, that whoever ventures to rely on those OBSOLETE Tables and Directions Published by ISAAC KEAY, is liable to be deceived (in common Cases) 10s. in the Pound.

By E. HOPPUS,

Surveyor to the Corporation of the London Assurance.

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- II. Mr. HOPPUS's Table of Solid Measure applied to the Freightage of SHIPS.
- III. Some very curious Observations concerning the Measuring of Timber by SEVERAL DIMENSIONS; communicated by one of his Majesty's PURVEYORS.

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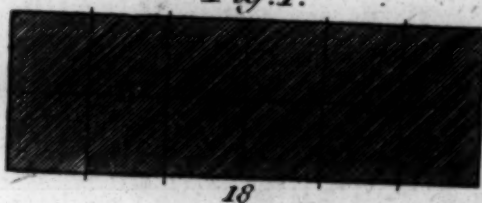
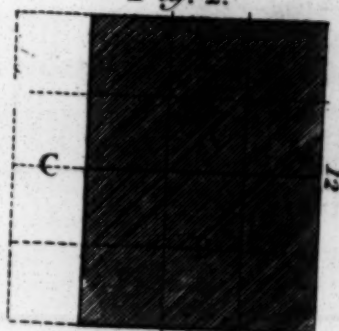


Fig. 2.



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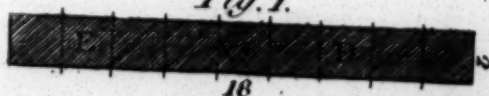


Fig. 2.

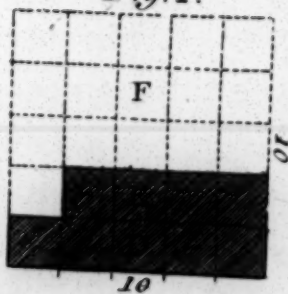


Fig. 3. Page XXII.



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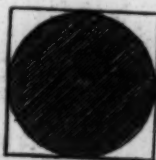


Fig. 5. Page XXV. 10.



P R E F A C E.

TO those who are unacquainted with the *intolerable Mistakes* and *numerous Imperfections*, with which *other Tables*, already extant, for the measuring of *Timber, Stone, &c.* do abound; to such, I say, it may seem unnecessary, at this Juncture, to trouble the World with any *new Calculations* upon this Subject: Yet upon an impartial Examination of what has been published upon this Head, it will appear, that it has hitherto been the Fate of those Writers either to have been very *indolent* or *very ignorant*, or, what is still worse, *very dishonest*.

DARLING's *Carpenter's Rule made easy*, and KEAY's *Practical Measurer*, are the Books got into the Hands of most *Buyers* and *Sellers* of *Timber, Stone, &c.* and have been too long already *implicitly* relied upon; especially the *last*, as will appear from the following Observations.

I. In *Darling*, it is true, you have a Table for finding the *true Square* of *unequal-sided Timber*; but then it is so far from being *generally useful*, that if you have any Occasion to look for the *Square* of *2 Inches by 5 Inches*, $2\frac{1}{2}$ by $7\frac{1}{2}$, $3\frac{1}{2}$ by $11\frac{1}{2}$, $5\frac{1}{2}$ by $17\frac{1}{2}$, &c. they are no where to be found, notwithstanding these *Dimensions*

b 2

are

are frequently wanted for the measuring of *Joists, Bond Timbers, Lintelling*, and several other Sorts of *Timber*, as well as for *Stone, &c.* used in Building. And then *Darling* having extended his Table of *the Square of unequal-sided Timber* no farther than to *double the lesser Side*, and *beginning* with 2 and *ending* with 36 Inches; this has rendered them very *defective*, and consequently of *little Use*. Whereas these *new Tables*, from 2 as far as 9, run to 18 Inches the *other side*, and are extended to 54 Inches the *largest side*, equal to the Extent of the Table of *solid Measure*, to which they relate. And besides all this, the Table he exhibits for the ready finding the *Contents of equal-sided Timber* is so very short, that *Darling* in this respect is more *defective* than even *Keay* himself.

II. In *Keay* you have no Table at all for the measuring of *unequal sided Timber, Stone, &c.* but thro' the *Ignorance or Dishonesty* of the Author*, an *erroneous Rule is laid down*, viz.

“ *Add*

* If *I. K.* did really believe that the Contents of *unequal-sided Timber* could be found by his Tables, observing the RULE he gives in the last Page of the *Explanation* of his Table of *solid Measure*, it is very plain from the following Examples, that he *exceeded in Ignorance*.

And if on the other Hand it can be supposed he was aware that *his Tables and Directions* would not answer their End, it is undeniable, that he has treated the Publick with *great Disingenuity*, by taking upon himself to insinuate the Contrary.

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*"Add the two Sides together,
"and take the Half thereof for the
"true Square, or take a Fourth
"of the Girt of the Four Sides."*

Now *this Rule*, which he lays down for your *Guide*, is so far from *Truth*, that a greater *Fallacy* could hardly be asserted.

EXAMPLE I.

[See the Copper-Plate facing page xi.]

Let Fig. 1. (marked A B) represent the End of a Piece of Timber or Stone, so unequal-sided as 18 Inches Broad, and but 6 Inches Thick.

Now to find the true Square of this Piece, Keay directs you to add together the two Sides, viz. 18 and 6, which makes 24 Inches, and if you take Half of that Number, viz. 12, says he, you have the true Square; whereas by these new Tables, and in Fact, it is not quite 10 Inches $\frac{1}{2}$.

DEMONSTRATION.

Let Fig. 2. represent a Square of 12 Inches each Side, then divide Fig. 1. (by the strongest dotted Line) into two equal Parts, and take that Part marked B, and place it in Fig. 2. then take the other Part marked A, and place it in Fig. 2. likewise; and when this is done there will plainly appear to be wanting all the dotted Part C, which is no less than one Fourth of the whole Square; and consequently

quently the Buyer, if he relies upon the Advice of the judicious Mr. Keay, he certainly pays for one Fourth more Timber than in reality he has, or ought to pay for.

But this Mistake of 5s. in the Pound, you shall see, is only one of Mr. Keay's Peccadillos.

EXAMPLE II.

[See the Copper Plate facing Page xi.]

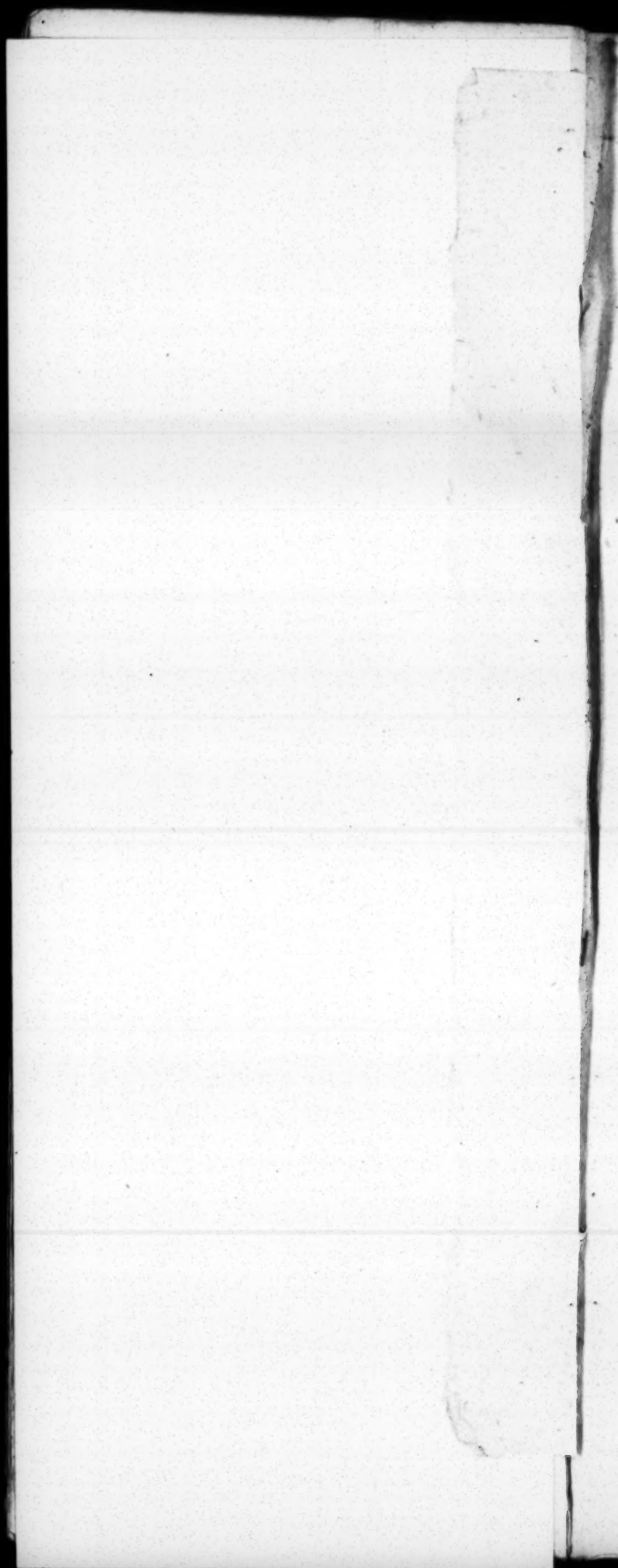
Let Fig. 1. (marked DE) represent the End of a Piece of Timber so unequal sided as 18 Inches broad, and but 2 Inches thick.

Now if you rely upon Keay, and add together the two Sides 18 and 2, it makes 20 Inches. Half of which, says he, is the true Side of the Square, viz. 10 Inches; whereas by my Tables, and in Truth, the true Side of the Square is but 6 Inches.

DEMONSTRATION.

Let Fig. 2. represent a Square of 10 Inches each Side, then divide Fig. 1. (by the strongest dotted Line) and take that Part marked D and place it in Fig. 2; then take the other Part marked E, and place it in Fig. 2. likewise; and when this is done, there will plainly appear to be wanting all the dotted Part F, which is near two Thirds of the whole Square, and consequently the Buyer, when in Fact he ought to pay but 7s. 2d $\frac{3}{8}$, must if he is guided by Keay, he pay 20s. which





The PREFACE.

xv

which is 12s. 9d $\frac{5}{8}$ in every 20s.
in his own wrong*†.

	s.	d.
* Should be paid	07	2 $\frac{1}{2}$
K. advises you to pay too much	12	9 $\frac{5}{8}$
	<hr/>	
	20	0

† But, perhaps, the above Manner of Demonstration, which is *Geometrical*, may not appear clear and satisfactory to all, and therefore I shall demonstrate the *Fallacies* of Keay's Rule *Arithmetically*.

DEMONSTRATION.

Suppose you have a Piece of Timber, each Side whereof is 12 Inches (or a Foot Square) these multiplied into each other (viz. 12 by 12) make 144 (the Inches in a superficial Foot;) but should the Sides vary, or become unequal, ever so little from this Size, there will be a Fallacy in the above mentioned Rule.

For, was one Side 13 Inches, and the other 11, these added together, the Half will still be 12 for the true Square.

But if multiplied together (as they always ought to be, and are in the Calculation of these New Tables) it will be but 143. So that here is One superficial Inch too much in every Foot of Length, be there ever so many.

AGAIN,

If one Side is 16 Inches, and the other 8 Inches, these added together, the Half is also 12, for the true Square; but multiplied, it is only 128; so that in this Case, whoever has any Thing to do with Keay's Rule and Tables, will certainly pay for 16 superficial Inches too much in each Foot in Length, be there ever so many.

Let us now re-consider Example I. and II. *Arithmetically*.

In Example I. 18 multiplied by 6 is but 108, and, consequently, Keay's Rule, which makes it 144, is exceeding false, that being 36 superficial Inches too much in every Foot in Length, be there ever so many; or one Fourth, as was before demonstrated.

From

From these *Demonstrations* it is plain, that no Man ought to assume the Character of an Author, and *publickly* to take upon himself to determine in the Business of MEUM and TUUM before he is well assured of his own Abilities for such an Undertaking, and is resolved to make some *Conscience* of what he publishes: If a due Regard had always been paid to this Consideration, we should never have met with any *formal Pretender*, presuming to teach others those Things, which it is evident *he did not understand himself*.

I should scorn to make these Observations at all for the Sake of Disparaging the Performances of others, or to build myself a Reputation on their Ruin; but I think myself obliged to acquaint the Publick with the plain Truth of Things without Favour or Affection; and I am satisfied, if this Conduct were oftener practised, both the Time and Expence of gaining useful Knowledge would be much shortened; and whoever endeavours to promote

In Example II. where the *different* Sides are 18 and 2, these *added* make 20, whose *Half* is 10, which being *multiplied* by itself (*viz.* 10 by 10) is 100; whereas the Sides *multiplied* together make but 36, and consequently, if you have any Thing to do with *Keay's Rule and Tables*, you certainly pay for 64 *Superficial* Inches in every 100 Inches more than you have, which is above 12s. 9d. in every 20s. more than ought to be paid, as was before *Geometrically demonstrated*.

that

that, let the Returns he meets with be what they will, he certainly lays the Public under the greatest Obligations.

By *this Time*, it is to be presumed, no Man can doubt the Public to be in want of a *new Set of Tables* for measuring all Sorts of *Timber, Stone, Boards, &c.* and these I here present them with, by giving the Contents in *Feet, Inches*, and *12th Parts of an Inch*, which is the most *natural Method*, and best adapted to *ordinary Capacities*, (for whose sake these Tables were principally intended.) I say, the *Method* of these Tables (since it *comes near enough the Truth*, and can be at *Sight* conceived) is *much preferable* to the 10000 Parts of a Foot, made use of by *Darling*; or the more unintelligible 432 Parts of a Quarter of a Foot, made use of by *Keay*.

The Table of *Superficial or Flat Measure* is *new*, and is extended to 24 Inches the *Breadth* (which is *double* the Breadth of *Keay's*) and is calculated to the Exactness of a *Quarter of an Inch*; which renders it very useful to *Glaziers and others*, who measure *flat Work* to the *greatest Exactness*, which *Keay's Table of Flat Measure* does not, by Reason he has omitted the *Quarters*.

Sensible of the *Consequences* the Mistakes in Printing must occasion, in Works of *this Nature*, I have been careful in examining

xviii *The* PREFACE.

amining each Number throughout the Book, so that I have Reason to believe they are *all exact*; and therefore, both the *Buyer* and *Seller* may depend upon meeting with *mutual Justice* from these Tables; which, it is plain, from what has been said above they are not to expect from *Keay's*, where the *Preis Errors* are gross and numerous.

I believe no Body can doubt these Tables being as extensive as was consistent with my Design of making them a *cheap Pocket-Companion*; and if the Publick reap the Advantage from them, which I intended they should, it will be ample Satisfaction to me, and I think they can have no Reason to complain*.

E. H.

[*The new TABLES shewing the VALUE of Timber, Stone, &c. (cut to any Size or Scantling) per Foot Cube, we dare say, will be found so very Useful to all who are concerned in Building, that we need not think of making any Apology for inserting them.*]

* POSTSCRIPT.

The List of the *present Prices of Locks, Bolts, Hinges, Nails, &c.* in the APPENDIX, is *entirely new*, and full of such Intelligence, as must afford great Satisfaction to those who desire to be good *Husbands* in the Affairs of Building,
and,

The CONTENTS. xix

and, therefore, I am persuaded it will be well received by those who consult it.

The Prices I have set down are such as they are *now* sold at by the *wholesale* Smiths and Ironmongers, either to *Workmen* or *Gentlemen*, who take them in *such Quantities* as I have set them down (*viz.* some *single* and some in *Dozens*, &c.) for those *Retailers*, or *Shop-keepers*, who buy of these large Dealers to sell again, have them for less than I have set down, *viz.* at the *Retailer's Price*.

I have sometimes heard inconsiderate People, as well as those whose Interest it is that the *real* Value of these Sorts of Goods should remain a Secret, object against the publishing any Thing of this Kind; because every one has not an Opportunity of always applying to the *wholesale* Ironmongers and Smiths for what they want, but are forced to take what they have occasion for from the *Retailer* in the *Country*, at his Price, and of which, say they, you have not taken the least Notice. In answer to this, let such People take the following Considerations: I. That it is impossible, in the Nature of the Thing, there could be any *one* Book of Rates for these Goods which would hold *equally* in all Parts of the Kingdom alike. II. That many of the *Country Retailers* are very arbitrary, and will not at all be satisfied with a *moderate Profit*, which the *wholesale* Dealers must; for he who is not, can have little or no Business; and though the *Gentlemen* and *Workmen* are not always well acquainted with the Value of these Goods, yet the *Retailer* always are, and knowing the different *wholesale* Dealers, will always go to one who uses them best. III. For these Reasons (in which I have been confirmed by the advice of several skilful and intelligent Workmen) I have chose to set down those Prices only which the *wholesale Dealers* take of *Gentlemen* and *Workmen*; because from these it is *easier* and *safer* both for the *Gentleman* and *Workman*, to draw more advantageous and beneficial Conclusions, than from any other Prices whatsoever.

T H E
E X P L A N A T I O N
A N D
U S E

Of the following

T A B L E
O F T H E

S Q U A R E of *unequal-sided*
T I M B E R, S T O N E, &c.

Beginning *Page 2*, and ending *Page 22*.

BEfore I proceed to explain, and shew the Use of the Table of *solid Measure*, it is necessary that I should explain, and shew the Use of the Table of the *Square of unequal-sided Timber*, whereby any Piece of Timber, Stone, &c. being *broader one Way* than the *other*, we may find the *Side of the Square* equal thereto.

I. At the Beginning of this Table, betwixt *two parallel Lines*, stand *two Inches Square*, which *two Inches* is the *Thickness*, or *lesser Side*, of the *End* of a Piece of Timber that you would find the *Square* of; and under the said *parallel Lines* are *three Rows* or *Columns* of *Figures*: in that *Column* to the *left Hand*, divided from the *other two* by a *black Line*, is the *Breadth* or *larger Side* of the Piece to be measured.

Note,

The Use of the Table of, &c. xxi

Note, The little Figures of 2, which, in the said left Hand Column, stand between 2, 3, 4, 5, &c. signify two Quarters, or Half an Inch.

II. The *second* and *third* Row of Figures shew the *Square* of the Piece in *Inches*, and *Quarters of an Inch*, answering to every *Inch* and *Half Inch* of *Breadth* in the *left Hand Column*.

To find the Square of unequal-sided Timber.

EXAMPLE I.

Suppose you have a Piece of Timber or Stone, the End of which is 3 Inches Thick, and 7 Inches Broad, and want to know the Square Side of it:

Look in the Table for 3 Inches, the Thickness (or lesser Side) betwixt the parallel Lines, keeping your Eye down the left Hand Column till you come to 7, and over against that, in the 2d and 3d Row, you will find 4:2, which signifies, 4 Inches 2 Quarters, or Half an Inch, and that is the Square Side of a Piece of Timber or Stone, equal to 3 Inches thick and 7 Inches Broad.

EXAMPLE II.

If you have a Piece of Timber or Stone, the End of which is 4 Inches and an Half Thick, and 11 Inches and an Half Broad, and would know what is the Square of it:

Look for $4\frac{1}{2}$ the Thickness, (or lesser Side) betwixt the parallel
2 Lines,

xxii *The Use of the Table of*

Lines, keeping your Eye down the *left Hand Column*, and betwixt 11 and 12 is a *small Figure* of 2, which signifies *Half an Inch*, and consequently stands for $11\frac{1}{2}$ (*the Breadth*) and over against that, in the 2d and 3d Row, you will find 7 : 1, which is 7 *Inches* and 1 *Quarter*, and that is the *Square Side* of a Piece of Timber or Stone, equal to 4 *Inches* $\frac{1}{2}$ *thick* and $11\frac{1}{2}$ *broad*.

EXAMPLE III.

Let there be a Piece of Timber whose Thickness at the End is 29 Inches and $\frac{1}{2}$, and the Breadth 34 Inches, the Square Side of which will be found in the Table to be 31 Inches and 3 Quarters.

¶ If any one should object that the *Quarters* of an Inch are not considered in this Table of *unequal sided Timber*; to such it may appear (from an Example or two) that to have taken Notice of the *Quarters* in the Table, would have been unnecessary; because there is no *Square Side* to be found nearer than what I have calculated.

EXAMPLE IV.

If you have the End of a Piece of Timber 5 Inches and $\frac{3}{4}$ Thick, and 7 Inches and $\frac{1}{4}$ Broad.

In this Case, take the *Quarter* from the largest Side, and add it to the smallest Side, and then it will be 7 *Inches* broad by 6 *Inches* thick.

Then look in the Table for 6, betwixt the *parallel Lines*, and over against 7, in the *left Hand Co-*

Unequal-sided Timber. xxiii
Column you will find $6 : 2$, which
is 6 Inches and an Half the true
Square.

EXAMPLE V.

If you have the End of a Piece
of Timber 15 Inches $\frac{3}{4}$ Thick, and
19 Inches $\frac{1}{4}$ Broad.

Call it 16 by 19, whose Square
Side in the Table is $17 : 2$, or 17
Inches and an Half.

N. B. Put if a Quarter of an Inch hap-
pens to one Side only, you may reject it
without any material Loss. For the above
Method will be sufficiently near in all Cases,
provided you remember to take the Quarter
from the largest Side, and add it to the les-
ser Side. But lest any one should entertain
a Prejudice against this Table, by reason the
Quarters are omitted, let him take the fol-
lowing:

EXAMPLE VI.

Let there be a Piece of Timber so
unequal-sided as 17 Inches $\frac{1}{4}$
Broad, and but 3 Inches $\frac{1}{4}$ Thick.

By the above Rule call it $3\frac{1}{2}$
by 17, the Square Side of which,
by the Table, is $7 : 3$, or 7 Inches
 $\frac{3}{4}$; take it likewise the contrary
Way, and call it by $17\frac{1}{4}$, and
the Square Side by the Table, is
 $7 : 1$, or 7 Inches $\frac{1}{4}$; and there-
fore in this Case, the Truth will
be the Mean betwixt $7 : 3$, and
 $7 : 1$, which is $7 : 2$, and that is
the exact Square Side of a Piece
of Timber, 17 Inches $\frac{1}{4}$ by $3\frac{1}{4}$.
For where the Sides are so very
different, one to the other, you
should look for it both Ways,
and

xxiv *The Use of the Table, &c.*

and take the Mean betwixt the Extreams.

N. B. *Though it is seldom, or never, like to happen in Practice, yet I will suppose you have Occasion to find the Square Side of a Piece of Timber, or Stone, too large for the Extent of this Table.*

EXAMPLE VII.

You have a Piece of Timber 60 Inches (or 5 Feet) thick, and 96 Inches (or 8 Feet) broad, and want to know the square Side of it.

Take Half the Thickness (of 60) which is 30, and Half the Breadth (of 96) which is 48. Look in the Table for 30, betwixt the parallel Lines, keeping your Eye down the left Hand Column, 'till you come to 48, and over against that in the 1d and 2d Row is 38 : 0, which 38 Inches is one Half of the Square Side of the Piece, and that doubled makes 76 : 0, and is the Square Side of the Piece required.

Vide Example VI. in Solid Measure, Page xxiii.

T H E
E X P L A N A T I O N
A N D
U S E
Of the following
T A B L E
O F
Solid Measure.

Beginning *Page* 24, and ending *Page* 128.

I. **T**HIS Table *begins* with 2 *Inches* the *Side* of the *Square*, and by the *Addition* of a *Quarter* of an *Inch* enlarges itself to the *Extent* of 54 *Inches* (or a *Yard and Half*) the *Side* of the *Square*.

II. Every *Page* of this Table consists of *two* distinct *Parts*, divided from each other by a *double Line*: And at the *Top* of each of the said *Parts* is set down the *Side of the Square*, or *one Fourth* of the *Girt* or *Circumference*, of the *Piece of Timber, Stone, or other Solid*, intended to be measured.

III. The *first* Column to the *left Hand* shews the several *Lengths* in *Feet*, from *one Quarter* of a *Foot*, to 45 *Feet*, and of such a *Piece of Timber*, whose *Side* of the *Square*, (or $\frac{1}{4}$ of the *Girt*) is set down at the *Top*.

d

IV. The

IV. The *three Rows of Figures* in the *second Column*, marked at the *Top* with *Ft. In. Pa.* is the *solid Content in Feet, Inches, and 12th Parts of an Inch*, answering to *every Foot in Length*, in the *left Hand Column*.

To measure square Timber.

1. With a *two Foot*, or any other *Rule*, measure the *Length* of the *Piece in Feet*, and set it down in your *Memorandum-Book*.

2. Then with your *Rule*, if your *Timber* be *equal-sided*, take the *Side of the Square in Inches, and Quarters* if there be any, and set that down likewise.

But not: *That if your Timber, or Stone, be unequal-sided, i. e. if it be broader one Way than the other, in this Case, you must first reduce it to a Square, by the Table of unequal-sided Timber; beginning Page 2, and ending Page 22.*

3. Having set down the *Length in Feet*, and the *Side of the Square in Inches and Quarters*, as above directed, look at the *Top of the Table of Solid Measure*, for the *Side of the Square*; and having found that, keep your *Eye* down the *left Hand Column*, till you find the *Length* of your *Piece in Feet*; and the *three Rows of Figures*, which stand *over-against the Length in Feet*, is the *solid Content in Feet, Inches, and 12th Parts of an Inch*.

Ex-

Table of Solid Measure. xxvii

EXAMPLE I.

You have a Piece of Timber 10 Feet long, and the Side of the Square is 7 Inches. What is the solid Content of it?

At the *Top* of the Table of *solid Measure* find 7 Inches, the *Side of the Square*, and keep your Eye down the *left Hand Column*, till you come to 10 Feet, the *Length* of your Piece; and *right against* that, stands 3 : 4 : 10 (*viz.* 3 Feet 4 Inches, and 10 *Twelfth* Parts) which is the *solid Content* of the Piece required.

EXAMPLE II.

The Length of a Piece of Timber is 19 Feet, and the Side of the Square 14 Inches $\frac{3}{4}$. What is the solid Content?

Having found 14 $\frac{3}{4}$ the *Side of the Square*, look for 19 Feet, in the *left Hand Column*, and over against it stands 28 Feet, 8 Inches, and 5 Parts; and that is the *solid Content* of a Piece, 19 Feet long, and 14 Inches $\frac{3}{4}$ square.

EXAMPLE III.

The Length of a Piece of Timber is 40 Feet, the Side of it one Way is 4 Inches, and 16 Inches the other Way. What is the solid Content?

Note, These differing Sides must be reduced to a Square by the Table of unequal-sided Timber, as already taught, which Square appears by the said Table to be 8 Inches.

d 2

Having

Having found 8 at the *Top* of the Table of *solid Measure*, look for 40 Feet (the *Length* of the Piece) in the *left Hand Column*; and *right against* that stands 17 Feet, 9 Inches, and 4 Twelfth Parts, the *solid Content*.

N. B. Keay's Rule and Tables make the Content to be

F. Qu. In.

27 3 48

which is 9 Feet $\frac{1}{2}$ too much, or 9s. 6d. in 27 s. too much.

EXAMPLE IV.

There's a Piece of Timber 40 Feet long, but the Sides unequal; one Side is 3 Inches, and the other Side 18 Inches. What is the solid Content?

Having reduced the *Sides* (by the Table of *unequal-sided Timber*) to a *Square*, it appears to be 7 Inches 1 Quarter. Then

At the *Top* of the Table of *solid Measure*, find $7\frac{1}{4}$, the *Side* of the *Square*, and *against* 40 Feet long, in the *left Hand Column*, stands the *Content*, viz. 14 Feet, 7 Inches, and 2 Twelfth Parts.

Note, Had this Example been resolved by Keay's Tables, and the RULE he lays down for the measuring unequal-sided Timber; the Answer, instead of being 14 Feet, 7 Inches, would have been 30 Feet and an Half, which is 16 Feet too much.

¶ When a Piece of Timber to be measured happens to have any odd Parts of a Foot in the *Length*, as

Ex-

EXAMPLE V.

Suppose a Piece of Timber to be 48 Inches square, and 22 Feet $\frac{1}{2}$ long. What is the solid Content?

Seek in the Table of *solid Measure*, for 48 Inches, the Side of the Square, and 22 Feet, the Length, which set down; then find the $\frac{1}{2}$ Inch at the Bottom of the Table, and set that down; add these together, and you have the Content, viz.

		Ft.	In.	Pa.
22 Feet long is	—	352	0	0
$\frac{1}{2}$ a Foot long is	—	8	0	0
		<hr/>		
The Content required		360	0	0

N. B. Except the Timber be so large, as to carry a Square of 30 Inches, the Half Foot, or Quarters are seldom regarded.

Though it is seldom (or never) like to happen in *Practice*, yet we will suppose you have Occasion to measure a Piece of Timber, or Stone, whose Side of the Square is above 54 Inches (or a Yard and Half) which is the largest Square in this Table.

EXAMPLE VI.

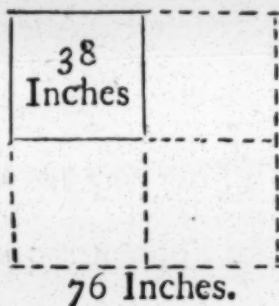
You have a Piece of Timber whose Side of the Square is 76 Inches, and the Length 37 Feet. What is the Content?

Since you cannot find 76 Inches the Side of the Square in the Table, take HALF of it, which is 38; find 38, the Side
of

of the Square, and over against 37 Feet the Length, is 371 : 0 : 4, which set down Four

Times*, and added	F.	I.	P.
together gives the	371	0	4
Content of the whole	371	0	4
Piece (of 76 Inches	371	0	4
square, and 37 Feet	371	0	4
long) viz. 1484 Feet	<hr/>		
1 Inch, & 4 Twelfth	1484	1	4
Parts of an Inch.			

* Because that H A L F is but One *Quarter* of the *End* of the Piece thus :



Of HEWN TIMBER.

N. B. It is customary, when *hewn* Timber is to be measured, to make Use of a large Pair of *Callipers*, to measure the *Thicknes*, or *Diameter*, of the Piece in the *Middle*, between both Ends (*where* in Case it were *tapering* Timber, one would *girt* it) which *Thicknes* or *Diameter*, is usually taken for the Side of the *Square*, the Piece will carry throughout : But this Method is sometimes objected to, because, all the *Cants*, or *Angular Parts*, that are wanting, to make the Piece perfectly square, are measured in, and accounted for (though not there) as so much real Timber : And this Objection carries still a greater Weight, When only a *small Skirting* is hewn off from the *four opposite Sides*, whereby the Piece becomes rather *Octangular*, or *Eight-sided*, than *Square*; but to all this it is usually replied, that before the Piece is *hewn* to a *Square*, there is a Waste in the *Chips* and *Slabs*, which are only useful for the Fire, and that the *Expence* of hewing, &c. is more than the *Chips*, &c. are worth.

To

To measure round Timber that is
NOT Tapering.

1. **W**ITH a Rule measure the Length of the Piece in Feet (and Quarters of a Foot, if necessary) and set it down in your Memorandum-Book; then reduce it to square Timber thus:

2. With a Chalk Line, or Packthread, gird the Piece in any Place; then double the Line twice, and you have one Fourth of the Girt, for the Side of the Square, which you must exactly measure upon your Rule, and set down in Inches, and Quarters of an Inch. Having thus reduced the round Timber to square Timber,

3. Look at the Top of the Table of solid Measure, for the Side of the Square, equal to $\frac{1}{4}$ of the Girt, and keep your Eye down the left Hand Column, till you find the Length of the Piece in Feet, and over-against it stands the Content of the Piece sought, in solid Feet, Inches, and Twelfth Parts of an Inch.

EXAMPLE:

Let the Length of a Piece of round Timber be 45 Feet, and the Girt 44 Inches; one Fourth of which is 11 Inches: I demand how much Timber this Piece contains?

At the Top of the Table of solid Measure, find 11 Inches,

3

the

the Side of the Square (which is equal to one Fourth of the Girt) and in the left Hand Column, against 45 (the Length of the Piece in Feet) stands 37 : 9 : 9 : that is 37 Feet, 9 Inches, and 9 Twelfth Parts (or $\frac{3}{4}$) of an Inch; which is the solid Quantity of Timber the Tree contains.

To measure Tapering Timber.

T*apering Timber is Timber that is smaller at one End than the other, as Fig. 3, and consequently it will not carry the same Square from End to End, throughout the whole Piece: when you have found what Square the Tree will carry throughout, by taking one Fourth of the Girt (as you were taught on Page xxxi) you must proceed exactly as in the Case of round Timber, already taught.*

To find what Square a Tree will carry throughout; the Shape, or Figure, of the Tree should be very carefully observed; and if the Sides of the Tree are strait, from End to End, as Fig. 3, then it may be girt; and the Square taken in the Middle, from the Butt-End and Top, as is the common Practice amongst Workmen: or you observe this

R U L E.

Take One Fourth of the Girt at each of the Ends; add them together, and take Half of that Sum for the Side of the Square, which

Table of Solid Measure. xxxiii

which the tree will carry *through-*
out; as you will find exemplified
in *Example III. Page xxvii.*

N. B. If the Tree does not *taper* gra-
dually, but is *unequally* thick, then you
may *Girt* it *oftener*; always remembering
to *divide* the Sum total of the several
fourth Parts of the *Girt*, by the *Number of*
Times the Piece was *Girded*, and it gives
the *Side of the Square* the Tree will carry
throughout.

¶ If you have any *odd Parts of a Foot*,
in the *Length* of a Tree, you are to pro-
ceed as directed in the Case of *square*
Timber, having *odd Parts* in the *Length*.
See *Page xxix.*

EXAMPLE I.

Let the Circumference of a Tree,
or Piece of round Timber (found
by girding it) be 35 Inches, one
Quarter of which is nine Inches,
the Side of the Square, and let the
Length of the Piece be 40 Feet.
What Quantity of Timber is in this
Piece?

Find 9 Inches, the *Side of the*
Square, and over against 40 Feet,
stands 22 Feet, 6 Inches, which
is the *Quantity of Timber* con-
tained in a *Piece* that is 40 Feet
long, and 36 Inches round.

EXAMPLE II.

Let the Girt of a Piece of Tim-
ber be 75 Inches, $\frac{1}{4}$ thereof is $18\frac{3}{4}$,
for the Side of the Square, and let
the Length of the Piece be 45 Feet:
How much solid Timber does this
Piece contain?

Find 18 Inches $\frac{3}{4}$ the *Side of*
the Square, and over-against 45
c Feet,

xxxiv *The Use of the*
 Feet, the *Length* of the Piece,
 stands the *solid Content*, viz. 109
 Feet, 10 Inches, and 4 Twelfth
 Parts, or $\frac{1}{3}$ of an Inch.

EXAMPLE III.

Suppose that at the largest End
of a Tree, $\frac{1}{4}$ of the Girt (or Side
of the Square) is 50 Inches, and
at the smaller End but 30 Inches,
and let the Length of the Tree be
25 Feet: What Quantity of solid
Timber does that Tree contain?

	Inches
The Side of the Square, } at the larger End is }	— 50
The Side of the Square, } at the smaller End is }	— 30
	—
The Sum	— 80

Half the Sum is 40 Inches, and
that is the Side of the Square, which
the Tree will carry throughout.
Having thus obtained the Side of
the Square, look at the Top of
the Table of solid Measure, for
40 Inches, and in the left Hand
Column for 25 Feet (the Length)
and over-against it stands 277
Feet, 9 Inches, and 4 Twelfth
Parts (or $\frac{1}{3}$ of an Inch) which is
the Quantity of solid Timber the
Tree contains.

☞ If you should ever have Occasion to
 measure a Tree whose Side is more than
 54 Inches, you must proceed as di-
 rected in the Case of *square Timber*,
 when the Square is more than 54
 Inches. See Page xxix.

But

Table of Solid Measure. xxxv

But Note, If a Tree should be *Round-
ing* or *Bulging* out (as *Fig. 4.*) so that to-
wards the *Middle*, it may be as large, or
near it, as at the *Bottom*, then it must be
measured *at twice* (which Workmen call
Joggling the Piece) *viz.* The *Length*,
A D, that continues of one and the same
Bigness, or near it, *singly* by itself; and so
also must the *Remainder*, D B; and their
Quantities added together, will be the
Content of the whole Tree.

Now had this Tree (*Fig. 4.*) been
measured *at once* (or by *one* Dimension)
as *Fig. 3.* then its *Girt* would have been
taken at F, where it is very small, and
all the *extraordinary* Thickness, *a. a.*
quite round about the small Body D B,
would have been *lost* in the Measure. And,

For this Reason, those who are to
measure Timber, should be very cautious
how they agree (before they begin to
measure) *that let the MIDDLE of Pieces of
Timber fall out how they will, Great or
Small, their Girt should be taken THERE.*
Because, where one Tree is *largest* (or
its *mean Thickness* in the *Middle*) there are
Nine or *Ten* that are less; and when their
Girts are taken at their *Middle*, from *each
End* (it is plain) they cannot fail of loos-
ing many *Loads* in a large *Quantity* of
Timber.

N. B. If the Tree is *crooked*, the *Length*
is not to be taken on either the *Concave*
(or hollow) or *Convex*, (or *Out-arching*)
Side.

N. B. It is a *customary* Allowance to
the Buyer, to take the *GIRT* where he
pleases, between the *greater End* and the
Middle of the Tree.

N. B. *Branches* or *Boughs* measuring
two Feet in Compass; (or 6 Inches for $\frac{1}{4}$
of the *Girt*) are reckoned as *Timber*, and
their *Content* is to be found, and added
to that of the Tree.

Note, So much of the *Trunk*, as mea-
sures less than *two Feet* in compass (or 6
Inches for $\frac{1}{4}$ of the *Girt*) is not admitted
to be *Timber*.

*Of making an Allowance for the
BARK.*

IN measuring Trees that have their *Bark* on, for Sale, it is common to make an *Allowance* to the Buyer, on Account of the *Bark*, thus; in Oak $\frac{1}{8}$ or $\frac{1}{2}$ Part of the Circumference is deducted; but the *Allowance* for the *Bark* of *Elm*, *Beech*, *Ash*, &c. should be less:—Some Measurers insist on one *Inch* out of one *Fourth* of the whole *Girt* for it, viz. If $\frac{1}{4}$ of the *Girt* is found to be 9 *Inches*, then 1 *Inch* is abated, and $\frac{1}{4}$ of the *Girt* is reckoned at 8 *Inches* only.—Others say, That if it is an *old thick-barked Tree*, one *Inch* must be abated in a *fourth Part* of the *Girt* for the *Bark*; but in *young growing Timber*, *Half an Inch* may be sufficient, as every Practitioner will easily judge. *This Deduction* being made, is supposed to reduce the *Compass* to that which the *Tree* will have, when the *Bark* is stripped off. Therefore observe this

RULE. From the given *Circumference*, subtract the *Allowance* for *Bark*; and with the remaining *Compass*, find the *solid Content*, as already taught.

*Of measuring Timber that is
Standing.*

IN measuring *Timber standing*, it is sufficient if you have a very long *Pole*, divided into *Feet* only,
(be-

Table of Solid Measure. xxxvii

(beside a Pocket Foot Rule, divided into *Inches*) and a Ladder to get up with readily, to measure the *Girt* of the Tree, at the *middle* hight, to which it runs Timber; *i. e.* as far as it will carry a *Square* of 6 Inches, or will Measure 24 Inches *round*, and then you proceed to find the *Contents*, as already taught.

I have known a Steward who, at his first entering into Business, was so exact as to take an Account of every *Single* Timber-Tree, as well as others likely to become Timber, in all the Woods within his Master's several *Mansions*: And he effectually did this to the greatest Advantage, by having a Book ruled with proper Columns, in the following Order.

I. To insert the *fourth Part* of the *Girt* of each Tree, in *Inches*.

II. The *Length* of each Tree, in *Feet*.

III. The *Number* of *solid Feet* in each Tree.

IV. The *Value* per *Foot* that each Tree is worth, according to its *Dimensions* and *Goodness*.

V. The *Value* of the *Body* of each Tree, in *Proportion* to the *aforesaid Price*.

VI. The *Value* of the *HEAD* of each Tree.

VII. The *Value* of the *BARK* of each *OAK-tree*, (which generally holds to be about a *third Part* of the *Value* of the *BODY* and *HEAD*.) And,

VIII. A

VIII. A Column for *the Value of the BODY, the HEAD, and BARK, ADDED together.*

A Book, put into this Method, can never fail of giving great Satisfaction to a Master, who has then something to depend upon whenever his Necessities, or his Inclinations may call for a *certain* Sum of Money. However, after a Sale, the Book must be altered, and such Trees struck out of it as are felled.

When an Account is taken of the several *Timber-trees* (in the Manner I have mentioned) they should be numbered with *Iron-stamps*, made on Purpose: Only before the Stamp is applied, the *rough* Part of the Bark should be taken off with a Hatchet, that the Impression may be made easy and visible: And, to make it *lasting*, the Stamp should not go *deeper* than *the Bark*; because, in such Case the *Number* will soon grow up; but otherwise it may last several Years by renewing, which is no undesirable Circumstance.

TH E foregoing Examples, with what has already been said, are sufficient to make the Business of measuring, both *square* and *round* TIMBER, STONE, &c. easy to *common Capacities*. However (for *Practice* Sake) I shall suppose the Learner was to measure 10 *Trees, or Pieces* of Timber.

Let

Table of Solid Measure. xxxix

Let him set down their *Number* and *Dimensions* as in the following Columns, and then find their *Contents* as already taught, and set that down *against* each *Tree*, as under,

No Trees	Side square Inches.	Length Feet.	By this New Method. Feet In. Pa.	By KEAY. F. Qrs. In.	By DARLING. Feet, and 10000 Parts.
1	9	10	5	5	5.6250
2	10½	14	10	10	10.7187
3	15	11	17	2	17.1875
4	20½	16	46	0	46.6944
5	16	24	42	2	42.6556
6	16	23	40	3	40.8888
7	36	18	162	0	162.0000
8	26	28	131	1	131.4442
9	31	17	113	1	113.4513
10	35	30	255	0	255.2083
Total			825 19 7	825 3 234	825.8848

Besides the *Contents* given by this *new* Method, I have likewise set down the *Contents* of each *Tree* as given by *Keay* and *Darling*, to shew

shew that the Method is more *intelligible*, and *better suited* to *common Capacities*, than either of theirs. These *Twelfth Parts* of an Inch are *easily* cast up, and *readily* understood; for here you have nothing more to do than to *carry 1* to the *Inches* for every 12 in the *Parts*, and 1 to the *Feet* for every 12 in the *Inches*: Whereas by *Keay's Method*, you must carry 1 to the *Quarters* for every 432 in the *Inches*, and 1 to the *Feet* for every 4 in the *Quarters*; and by *Darling's Method* you must carry 1 to the *Feet* for every 10000 in the *Parts*. Both which Number of 432 *Inches* and 10000 *Parts of a Foot* are very *difficult* to conceive, and, consequently, very *troublesome* and *perplexing* to every Man that is not versed in *Decimal Arithmetic* and *Mensuration*.

Of Reducing Timber to Loads.

N. B. Measurers and Workmen reckon 40 Feet of *unhewn*, or *rough Timber*, and 50 Feet of *hewn Timber*, to a Load, supposed to weigh a Ton, or 20 hundred Weight: For, *hewn Timber* is measured by the Square, but *rough Timber* by the *Girt*, (or *quarter Compass*) therefore, in the buying of Timber, it amounts to much the same, whether it be measured by the *Girt*, at 40 Feet solid to a Load; or measured by the Square, at 50 Feet to a Load. Therefore,

When Timber is to be reduced to Loads, *divide* the Feet, in *rough*, or *unhewn Timber*, by 40, and it gives the Loads. Or.

Divide the Feet in *hewn Timber*, by 50, and it gives the Loads.

Some

Some curious Observations concerning measuring Timber, by several Dimensions.

Communicated by one of his Majesty's PURVEYORS.

Of measuring Fig. 5, [facing Page xi.] by one Dimension, and also by three Dimensions, &c.

The whole Length A G, by one Dimension.

NOW let us well consider, *Fig. 5*, intended to represent a Piece of Timber, that is 24 Feet long; and the Girt at the Butt-end A, 8 Feet, *one Fourth* of which is 24 Inches; and the Girt at the Top G, 12 Inches, *one Fourth* of which is 3 Inches; and (as the Sides are supposed to be *nearly strait*) the Girt in the Middle at D, 54 Inches; *one Fourth* of which is $13\frac{1}{2}$ Inches: Now look into the Table of *solid Measure* for $13\frac{1}{2}$ Inches *the Side*, and 24 Feet *the Length*, and you will find the *Content* of *this Piece* to be 30 F. 4 l. 6 P. (*viz.* 30 Feet, 4 Inches, and 6 *twelfth* Parts, which 6 *twelfth* Parts are equal to half an Inch) when measured by *one Dimension*.

*Of the Length A E, by one Dimenfion;
which is but Two-thirds of the Length
A G.*

Having as *above* found the *Content* of the *Whole* A G, by *one* *Dimension*, to be 30 Feet, 4 Inches, f 6 Parts,

6 Parts : Let us now try what *this* Piece A E will produce, when measured by *one* Dimension; we then having a Length only of 16 Feet, *viz.* from A to E, (instead of 24 Feet, from A to G, as before) and that *one Fourth* of the *Girt* in the *Middle* at C, is 17 Inches : Now if you look in the Table of *solid* Measure for 17 Inches *the Side of the Square* at C, and 16 Feet *the Length*) you will find this Piece A E, to contain 32 Feet, 1 Inch, 4 Parts of Timber; notwithstanding 8 Feet at *the Top*, from E to G, is cut off and is not taken the least Notice of : whereas when this *Top* was left on, the *Whole*, from A to G, measured but 30 Feet, 4 Inches, 6 Parts, so that by cutting off and rejecting 8 Feet at *the Top*, we gain near 2 Feet of Timber.

N. B. *The Content of this Piece A E, we had not room to specify in the Copper-plate facing Page xi.*

The whole Length by three Dimensions.

NOW let us consider *Fig. 5*, intended to represent a Piece of Timber that is 24 Feet long, and the *Girt* at the *Butt end* A, 8 Feet, *one Fourth* of which is 24 Inches; and the *Girt* at the *Top* G, 12 Inches; *one Fourth* of which is 3 Inches; and (as the *Sides* are supposed to be *nearly strait*) and the *Girt* in the *Middle* at D, 54 Inches; *one Fourth* of which is $13\frac{1}{2}$ Inches : Now look
into

into the Table of *solid Measure* for $13\frac{1}{2}$ Inches, the *Side of the Square*, and 24 Feet *Length*; and you will find the *Contents* of this Piece to be 30 Feet, 4 Inches, 6 Parts, when measured by one Dimension.

Having thus found the *Content* of A G by one Dimension, to be 30 Feet, 4 Inches, 6 Parts; let us now proceed to see what it will produce, when it is cut into three equal *Lengths*, and measured by three Dimensions, as described in Fig. 5, viz.

FIRST, the Piece A C, whose *Length* is 8 Feet; and the *Girt* at the *Butt-end* A, 8 Feet, one *Fourth* of which is 24 Inches; and the *Girt* at the *Top* C, 5 Feet 8 Inches, one *Fourth* of which is 17 Inches; and the *Girt* in the *Middle* at B, 6 Feet, 10 Inches, one *Fourth* of which is $20\frac{1}{2}$ Inches: Now look in the Table of *solid Measure* for $20\frac{1}{2}$ Inches the *Side of the Square*, and 8 Feet the *Length*, and you will find the *Content* of this Piece A C, to be 23 Feet, 4 Inches, which is only 7 Feet less than the *Whole* A G (24 Feet) when measured together; so that by cutting off 16 Feet at the *Top*, from C to G, which is no less than *Two-thirds* of the *whole Length*, you do not lose quite 7 *solid Feet* of Timber.

SECONDLY, the Piece C E whose *Length* is also 8 Feet; and the *Girt* at the *Butt-end* C, 5 Feet 8 Inches, one *Fourth* of which is

17 Inches; and the Girt at the Top E, 40 Inches, *one Fourth* of which is 10 Inches; and the Girt in the Middle at D, 4 Feet, 6 Inches, *one Fourth* of which is $13\frac{1}{2}$ Inches: Now look in the Table of *solid Measure* for $13\frac{1}{2}$ Inches the *Side of the Square*, and 8 Feet the *Length*, and you will find the *Content* of this Piece C E to be 10 Feet, 1 Inch, 6 Parts.

THIRDLY, the Piece E G, whose *Length* is likewise 8 Feet; and the Girt at the Butt end E, 40 Inches, *one Fourth* of which is 10 Inches; and the Girt at the Top G, 12 Inches, *one Fourth* of which is 3 Inches; and the Girt in the Middle at F, 26 Inches, *one Fourth* of which is $6\frac{1}{2}$ Inches: Now look in the Table of *solid Measure* for $6\frac{1}{2}$ Inches, the *Side of the Square*, and 8 Feet the *Length*, and you will find the *Content* of this Piece E G, to be 2 Feet, 4 Inches, 2 Parts.

Having thus measured the *Whole* from A to G, by *three Dimensions*; let us proceed:

Of measuring Part of Fig. 5, viz. from C to G, by one Dimension, also by two Dimensions.

By one Dimension.

NOW let us suppose 8 Feet to be cut off at the BUTT-END; viz. from A to C, and let us proceed to measure the Remainder C G: Look into the Table of *solid Measure* (for 10 Inches the *Side of the Square* at E,

and 16 Feet the *Length*) and you will find the *Whole* contains 11 Feet, 1 Inch, 4 Parts; which 4 Parts are *equal* to *one Third* of an *Inch*.

By two Dimensions.

LET us now suppose it cut in two in the *Middle* at E; and measure each Part by itself. *First* C E: Now look in the Table of *solid* Measure for $13\frac{1}{2}$ Inches the *Side of the Square* at D, and 8 Feet the *Length*, and you will find C E to contain 10 Feet, 1 Inch, 6 Parts.

LET us now measure the Piece E G: Look in the Table of *solid* Measure for $6\frac{1}{2}$ Inches the *Side of the Square* at F, and 8 Feet the *Length*, and you will find E G to contain 2 Feet, 4 Inches, 2 Parts; so that you see the *Whole* of C G measures to *one solid Foot and a Half MORE*, when it is measured at *twice* than it did when it was measured at *one* Dimension.

Some *useful* Observations, drawn from the *foregoing* Methods of measuring *Fig. 5*.

THIS Piece of Timber (*Fig. 5*) and the above Manner of measuring it, if well considered, shew the *Imprudence* of those *Sellers*, who (thinking it may be an Advantage to them) leave the Pieces with their long taper Tops on to a great Length, whereby the *Girt* comes to be taken in a much *smaller* Part of the Tree than it ought,

ought, or would have been, if the *Top* had been *cut off*. And it may likewise serve to shew the *Advantage* there is of *buying in* such a Piece of Timber, of 24 Feet long, measured by *one Dimension*, and of *selling* it out again by *three Dimensions*, after it is cut into *three Pieces*, or *Lengths*, of 8 Feet *each**.

And here it may be farther worth observing, that though in *Fig. 5.* the Sides of the Tree are supposed to be *nearly strait*, from the *Butt* to the *Top*, *v.z.* from A to G, yet this very rarely happens to be the Case; for on the contrary most Trees hold an *equal Thickness* (or near it) many Feet *upwards* from the *Butt*, and consequently measure *much more* than when they *taper*, or diminish *gradually* from the *Butt* to near the *Top*, as *Fig. 5* is here supposed to do.

* Look in the Copper plate facing Page xi and you'll see that <i>Fig. 5.</i> measured by <i>three Dimensions</i> , measures to 35 <i>solid Feet</i> and $\frac{3}{4}$, which at 12 <i>d</i> per <i>Foot</i> , comes to ———	}	l. s. d. 1 15 9
---	---	--------------------

But measured by <i>one Dimension</i> , it measures <i>no more</i> than 30 <i>solid Feet</i> and a $\frac{1}{4}$, and at 12 <i>d.</i> per <i>Foot</i> , comes to ———	}	1 10 3
--	---	--------

So that this Piece of Timber, <i>Fig. 5.</i> tho' it is bought in, and sold out, at the <i>same Price</i> , per <i>Foot</i> ; and by the <i>very same Method</i> of measuring; yet there is 5 <i>s.</i> 6 <i>d.</i> gained by cutting it into <i>three Lengths</i> , of 8 Feet <i>each</i>	}	0 5 6
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N. B. For want of Room *Fig. 5* is not drawn in Scale.

The

The TABLE of *Solid Measure* applied to the *Freighting* of SHIPS, &c.

THE following Table of *solid Measure* (*beginning* page 23 and *ending* page 128,) and which is particularly explained on Page xxv, &c. having been made use of for many Years past by several judicious Merchants, for the expeditious ascertaining the *Value* of the *Carriage* of Goods which pay *Freight* by the *solid Foot*: and the Table being as well adapted for the *freighting of Ships* as for the *valuing of Timber*, I have, to this New Edition, added the following Directions, for the Benefit of those who would apply it to the *freighting of Ships*: And they are such as I think ought to prevail: But so long as some Measurers will be for taking the *Dimensions*, and valuing their *Amount* NEARER than others, there will always be room for Disputes. See *Fig. 6*, in the Copper-plate, facing Page xi.

☞ 'Tis said, 'tis usual to make an *Abatement* of $\frac{1}{5}$ upon the *Admeasurement* of the *Package* of *coarse Goods*.

To find how many *solid Feet* [in order to ascertain the *Freight*] are contained in any *Case*, *Bale*, *Cask*, &c. i. e. how many *solid Feet* they will take up in a *Ship*.

Observe that Goods paying *Freight* by the *solid Foot*, are commonly pack'd up in

1. *Cases*,

xlviiii Of Freightin^g Ships.

1. *Cases, Chests, or Trunks.*
2. *Bales, Trusses, or Bundles.*
3. *Casks, Vats, or Fats.*

And their *Contents* are *all* found by *one* and *the same* Method, *viz.* taking the *Length* and *girling* them, thus :

1. With a *Rule* measure the *Length* of the *Package*, and write it down in *Feet* and *Inches* in your *Memorandum - Book* ; having done this, then you are to reduce the *Package* to a *Square*, which is *immediately* done thus,

2. With a *Line*, or *Packthread*, *gird* the *Package* ; then *double* the *Line* together *Twice*, and you have *one Fourth* of the *Girt* (for the *Side of the Square*) which measure upon your *Rule*, and write it down in *Inches* and *Quarters* of an *Inch*. Having thus reduced the *Package* to a *Square* ; then,

3. Look at the *Top* of the *Table* of *solid Measure* for the *Side of the Square*, (which is *equal* to $\frac{1}{4}$ of the *Girt*) and keep your *Eye* down the *left Hand Column* 'till you find the *Length* of the *Package* in *Feet* ; and over against that stands how many *solid Feet*, *Inches* and *12th Parts* it contains : But these *12th Parts*, and the *Inches*, are *usually* rejected, unless they amount to *Half* a *Foot*.

EXAMPLE I.

Let the *Length* of a *Case*, *Chest* or *Trunk* be 36 Inches, (which is equal to 3 *Feet*) and the *Girt* 96 Inches, ($\frac{1}{4}$ of which is 24 *Inches*;) I demand how many *solid Feet* such a *Case*, &c. contains?

At the *Top* of the Table find 24 Inches, *the Side*, (equal to $\frac{1}{4}$ of the *Girt* of 96 Inches) then keep your Eye down the *left Hand Column*, and against 3 *Feet*, the *Length*, (which is equal to 36 *Inches*) you have 12 *Feet*, and so many *solid Feet* you are to pay Freight for, at the *Price* agreed upon.

☞ When you cannot find the *exact Length* of the *Package* in the Table at once, you are to take it out at twice, as in the following *Example*.

EXAMPLE II.

Let the *Length* of a *Case*, &c. be 54 Inches, (which is equal to 4 *Feet* and an *Half*) and the *Girt* 152 Inches ($\frac{1}{4}$ of which is 38 *Inches*) I demand how many *solid Feet* the *Case* contains?

At the *Top* of the Table find 38 Inches, *the Side* (equal to $\frac{1}{4}$ of the *Girt* of 152 Inches) then keep your Eye down the *left Hand Column*, and against 4 *Feet*, the *Length* is 40 : 1 : 4, which write down, and at the *Bottom* of the Table against $\frac{1}{2}$ a *Foot*, the *Length*, is 5 : 0 : 2, then add these together, and they make 45 *Feet*, 1
g Inch,

1 Of Freightin Ships.

Inch, and 6 12th Parts; which 6 12th Parts are equal to Half an Inch, and so many *solid Feet* you are to pay *Freight* for, at the Price agreed upon.

F.	In.	P.
40	1	4
5	0	2
<hr/>		
45	1	6

☞ When you have any *Inches* in the *Length* LESS than $\frac{1}{4}$, $\frac{1}{2}$, or $\frac{3}{4}$ of a *Foot*, you are to proceed as in the following *Example*.

EXAMPLE III.

Let the *Length* of a *Case*, &c. be 62 Inches, (which is equal to 5 Feet 2 Inches) and the *Girt* 122 Inches, ($\frac{1}{4}$ of which is $30\frac{1}{2}$ Inches) I demand how many *solid Feet* the *Case* contains?

At the *Top* of the Table find $30\frac{1}{2}$ Inches, the *Side of the Square*, (equal to $\frac{1}{4}$ of the *Girt* of 122 Inches) then keep your Eye down the left Hand Co-

lumn, and against F. In. P.
5 Feet stands — 32 03 07
which write down 0 10 04
THEN for the 2 —
Inches: I consider 33 01 11
that 2 Inches is 2

Thirds of $\frac{1}{4}$ of a *Foot*, and at the *Bottom* of the Table I find, against $\frac{1}{4}$ of a *Foot*, 1 *Foot*, 7 Inches, 4 12th Parts, and 6 Seconds (but the 12th Parts and Seconds may be rejected.) Now $\frac{2}{3}$ of 1 *Foot* is 8 Inches, and $\frac{2}{3}$ of 7 Inches is 2 Inches,

Of Freighting Ships. li

Inches, $\frac{1}{3}$, which I write down also; and then *add* them together, and find they make 33 *Feet*, 1 *Inch*, and 11 12th *Parts* of an *Inch*; and so many *solid Feet* you are to pay Freight for, at the Price agreed upon.

☞ When *CASES* *taper*, and are *smaller* at one *End* than the other; to reduce them to a *Square* you must *girt* them in the *Middle* from *each End*: Or you may find $\frac{1}{4}$ of the *Girt* at *each End*, and *add* them together, and take *Half* of it for the *Side of the Square*, and work as in the foregoing *Example*.

Of BALES, TRUSSES, &c.

THE *solid Feet* in any *Bale*, *Truss*, or *Bundle*, are found by taking their *Length*, and reducing them to a *Square* by *girting* them, as in the 3 foregoing *Examples*; PROVIDED they are as large at one *End* as the *other*: But in case they should *taper* and be *smaller* at one *End* than the other, then they are to be *girt* in the *Middle* from *each End*; and taking $\frac{1}{4}$ of the *Girt* (for the *Side of the Square*) proceed to find the *solid Feet*, as *already* taught for *Cases*; and as *following* for *Casks*.

Of CASKS, FATS or VATS.

THE *solid Feet* in any *Cask* or *Fat* are found by taking their *Length*, and reducing them to a *Square*, by *girting* them as *Cases*, *Bales*, &c. PROVIDED they are *strait-sided*: But if they are *smaller* at the *Ends* than in the

lii Of Freightin Ships.

Middle, then you must *girt* them at the *Midway* between the *Middle* and *End* of the *Staves*, and take $\frac{1}{4}$ of the *Girt* of the *Side* for the *Square*: OR you may find $\frac{1}{4}$ of the *Girt* in the *Middle*, and also at the *End*, and add them together, and take *Half* of it for the *Side of the Square*, and proceed as in the foregoing *EXAMPLES* of *Cases*, *Chests*, and *Trunks*.

☞ In taking the *Length* of a *bulging* Cask with a *Line*, without some Care you may take it *too long*: For though a *strait* sided Cask and a *bulging* Cask, when *STANDING* on their *End*, may be of the same *Height*, yet if the *LENGTH* is taken with a *Line* when they are *LYING*, the *bulging* Cask will be apt to measure *longer* than the *strait*-sided one, which should be guarded against. And where the *Hoops* rise *higher* than the *Middle* or *bulging* Part of the Cask, the *Girt* ought to be taken *OVER* the *widest* *Hoop*: And it is usual for the *Ship's* Measurer to endeavour, on all Occasions, to obtain the *largest* *Girt*. ☞ 'Tis said some *girt* the Casks in the *Middle*, and abate $\frac{1}{3}$ for their *Tapering*.

☞ In taking the *Length* and *Girt* of *Cases*, *Chests*, *Trunks*, &c. when they are *strengthened* or *secured* with *Battens*: OR where there is *any thing* that *any how* hinders other *Square* Goods from lying close by them; *that* which so hinders their lying close is to be *measured* *IN* and *paid* for, as if the *Length* and *Girt* had been *every where* as large as in those particular Places; by reason it occasions so much *Loss* in the *Stowage* of the *SHIP*.

One of our greatest *Coppersmiths*, for making large *Stills*, *Coppers*, *Boilers*, &c. for *EXPORTATION*, informs me, That it is usual to *ascertain* the *Freight* of them by taking the greatest *EXTERNAL* *Diameter*, even to the *Outside* of the *Nails*;

Of Freightin^g Ships. liii

if a larger EXTERNAL Diameter cannot be obtained *elsewhere*; and then to pay Freight, as if the Still, Copper, &c. were a *strait sided* SQUARE. [See the Copper-Plate facing Page xi. Fig. 6.] And when this is the Case, you pay for the *white Corners*, or *Spaces*, &c. of the SQUARE *every where*, which the Still, Copper, &c. never occupies any Part of: This seems severe, as several Things may be stowed in those *white Corners* or *Spaces*, &c. He also says, the EXPORTER has the Liberty of filling the *Stills*, *Coppers*, &c. with Corn, or what else he pleases.

THE

T H E
E X P L A N A T I O N
A N D
U S E

Of the FOUR following

T A B L E S

For finding

The VALUE, *per Foot CUBE*, of
Timber, Stone, &c. cut to any
Size or Scantling.

Beginning on *Page 130*, and ending on
Page 137.

THO' these Tables are FOUR
in Number, yet being all
of *the same Nature*, and only dif-
fering in *Price*, if I explain and
shew the Use of ONE, *the other*
Three will be understood of course.
And whoever understands the Use
of the Table of *unequal sided Tim-*
ber on *Page 2*, can need very little
Instruction to understand *these*;
which are much of the same Na-
ture.

I. At *the Beginning* of the Ta-
ble at 1 s. 6 d. (or 18 d.) *per Foot*
CUBE (on *Page 130*) *betwixt* two
parallel Lines stands 2 *Inch Sqr.*
which is the *Thicknes* of the LES-
SER *Side* of the Piece you would
find *the Value of*; and under the
said *parallel* Lines are *three* Rows
of *Figures*: In that Column to
4 the

the *left Hand* divided from the *other two* by a *Black Line*, is the *Breadth* or *LARGER Side* of the *Piece* to be valued.

N. B. The *little Figures* of 2 in the *said Left Hand Column*, which stand betwixt the *Larger Figures* 2, 3, 4, 5, &c. signify *Two Quarters* or *Half an Inch*.

II. The *second* and *third Rows* of *Figures* (which stand against the *several Breadths* or *larger Sides* in the *first Column*) shew the *Value* of *ONE Foot in Length* in *Pence* and the *Eighth Part* of a *Penny*.

N. B. In the *Tables* at 1s. 6d. 2s. and 2s. 6d. the *Value* is given in *Pence* and the *Eighth Part* of a *Penny*, or *Half a Farthing*. But in the *Table* at 3s. the *Value* is given in *Pence* and *Farthings*.

EXAMPLE I. What is the *Value* of *ONE Foot in LENGTH* of a *Piece* of *Timber*, *Stone*, &c. whose *Size* or *Scantling* is 6 *Inches* by 9 *Inches*, at 18 d. per *Foot CUBE*?

In the *Table* at 18d. (or 1s. 6d.) look for 6 *Inch Sqr.* betwixt the *parallel Lines*, keeping your *Eye* down the *Left-hand Column* 'till you come to 9 *Inches*; and against it stands 6 : 6, which signifies 6d. $\frac{3}{4}$; (for 6 *Eighths* of a *Penny* is equal to *Three Farthings*, the *Value* sought.)

	s.	d.		d.
N. B. By	}	2 0	}	9
the Table		2 6		11 $\frac{1}{4}$
at		3 0		13 $\frac{1}{2}$

the Value will be found to be

Ex-

lvi of the Value per Foot Cube.

EXAMPLE II. What is the Value of ONE Foot in Length of a Piece of Timber, Stone, &c. whose Size or Scantling is $6\frac{1}{2}$ Inches by $9\frac{1}{2}$ Inches, at 18d. per Foot CUBE?

In the Table at 18d. (or 1s. 6d.) look for $6\frac{1}{2}$ Square in the parallel Lines, keeping your Eye down the Left-hand Column until you come to $9\frac{1}{2}$ Inches; (the $\frac{1}{2}$ Inch is signified by the little Figure of 2 that stands under the 9) and against it stands 7 : 5, which signifies 7d. Half Penny (or 7d. and 5 Eighthths of a Penny) the Value sought.

	s. d.		d.
N. B. By	$\left\{ \begin{array}{l} 2 \ 0 \\ 2 \ 6 \\ 3 \ 0 \end{array} \right\}$	the Value will	$\left\{ \begin{array}{l} 10\frac{1}{4} \\ 12\frac{3}{4} \\ 15\frac{1}{4} \end{array} \right\}$
the Table		be found to	
at		be	

☞ By observing the following Directions these 4 Tables may be made as useful for valuing Timber, Stone, &c. at ANY OTHER Price per Foot CUBE, as they are for the Prices they are calculated for.

S. d.

s. d.

2.

Of the Value at 2s. per Foot, and you have the Value sought.

$\left. \begin{array}{l} \text{d.} \\ \text{If you want the Price at} \end{array} \right\} \begin{array}{l} 2 \\ 3 \\ 4 \\ 6 \end{array}$ per Foot Cube LESS than the Price any of the Tables are calculated for; for
 $\left. \begin{array}{l} \text{DEDUCT from the Value in} \\ \text{that Table} \end{array} \right\} \begin{array}{l} 2 \\ 3 \\ 4 \\ 6 \end{array}$

$\left. \begin{array}{l} \text{Of the Value at 2s. per} \\ \text{Foot, and you have} \\ \text{the Value sought.} \end{array} \right\} \begin{array}{l} \frac{3}{4} \\ \frac{1}{2} \\ \frac{1}{4} \\ \frac{1}{8} \end{array}$

N. B. I suppose you need not be told that 1d. is the 24th Part of the Value at 2s. or the 18th Part of the Value at 18d. or that 5d. is the 6th Part of the Value at 2s. 6d. and that when you want the Price at 1d. or 5d. MORE or LESS than any of the Tables are calculated for, you must ADD to, or DEDUCT from the Value set down in the Tables accordingly.

If you should ever want to find the Value of ONE Foot in Length of a Piece of Timber, Stone, &c. whose Size or Scantling is LARGER than the EXTENT of these Tables, this is

The RULE:

Consider at what Price per Foot Cube you would value it by, then seek in THAT Table for the VALUE of ONE Foot of Timber or Stone whose Scantlings are each of them but equal to HALF the given Scantlings, and FOUR Times that Price is the Value sought. [See Example VI. Page xxix and xxx.]

EXAM.

Value per Foot Cube. lix

EXAMPLE III. What is the *Value* of ONE Foot in Length of a Piece of Timber or Stone, &c. whose *Scantlings* are 14 Inches by 10 Inches, at 18d. (or 1s. 6d.) per Foot Cube?

Here you are *first* to consider, that HALF the given *Scantling* is 7 by 10. Then in the *Table* at 18d. per Foot Cube you are to look betwixt the *parallel* Lines for 7 Inches Square, keeping your Eye down the *left Hand Column* 'till you come to 10 Inches, and against 10 Inches stands 8 : 6 which signifies 8d. $\frac{3}{4}$, and Four Times 8d. $\frac{3}{4}$ is 2s. 11d. and that is the *Value* of ONE Foot in Length whose *Scantling* is 14 Inches by 20 Inches at the Rate of 18d. per Foot Cube. And

By the Table at $\left\{ \begin{array}{l} 20 \\ 26 \\ 30 \end{array} \right\}$ the Value will be found to be $\left\{ \begin{array}{l} 3 \text{ } 10\frac{1}{2} \\ 4 \text{ } 10 \\ 5 \text{ } 10 \end{array} \right\}$

N. B. When you are about to Value Timber, Stone, &c. per Foot CUBE, you are carefully to consider, that by Reason of the Length of Carriage, the Price of Workmen's Wages, &c. they are rendered much dearer in some Places than they are in others, and therefore they must be valued at a Price accordingly.

T H E
E X P L A N A T I O N
A N D
U S E
Of the Following
T A B L E
O F
Superficial or Flat
M E A S U R E .

Beginning on *Page 140*, and ending on
Page 186.

1st. **T**HIS Table *begins* with
1 Inch *broad*, and by
the *Addition* of a *Quarter* of an
Inch, extends itself to 24 Inches
the Breadth.

2^{dly}. Each Page of this Ta-
ble is divided into *two* distinct
Parts, and each Part consists of
Two Columns.

3^{dly}. The FIRST Part of the
narrow Column to the *left Hand*
shews the several *Lengths in Feet*,
from 1 to 24; and the SECOND
Part the *Inches*, from 1 to 11;
and the THIRD Part, the *Quar-*
ters of an Inch.

4^{thly}. The *Three* or *Four* Rows
of Figures in the *larger* Column,
on the *Right Hand*, marked at
the Top Ft. In. Pa. and *lower*
Ft. In. Pa. S. and T. are the se-
veral *Contents in square Feet*, In-
ches, *Twelfth Parts* of an Inch,

Se-

Seconds and Thirds, answering to every Foot, Inch, and Quarters of an Inch, in the Length in the left Hand Column.

The Use of the TABLE.

EXAMPLE I.

If a Board is 5 Inches broad and 9 Feet long, I desire to know how many square Feet are contained therein?

Look at the *Top* of the Table for 5 Inches (the *Breadth*), and then keep your Eye down the *left Hand Column*, 'till you come to 9 Feet (the *Length*), and *over-against* that stands 3 : 9 : 0, which signify 3 Feet, 9 Inches, and is the *Content* required.

EXAMPLE II.

There's a Plank, 17 Feet, 9 Inches long, and $21\frac{1}{2}$ Inches broad; I demand how many square Feet are contained in that Plank?

At the *Top* of the Table find $21\frac{1}{2}$ Inches (the *Breadth*) and then look down the *left Hand Column* for 17 Feet (the *Length*) and right against it stands 30 : 5 : 6; which signifies 30 Feet, 5 Inches and 6 *Twelfth* Parts, or Half an Inch. Then look for 9 Inches (the *Length*) and against it stands 1 : 4 : 1 : 6, that is, 1 Foot, 4 Inches, 1 *Twelfth* Part of an Inch, and 6 *Seconds*, (or Half a *Twelfth* Part of an Inch) then add these two together, and you find

find the Content to be 31 Feet, 9 Inches, and 7 Twelfth Parts of an Inch—the 6 Seconds may be rejected.

	Ft.	In.	P.	S.
At 17 Feet	30	5	6	0
At 9 Inches		1	4	1 6

The Content required is 31 9 7 6

☞ The *Quarters* of an *Inch*, (when you have Occasion for them) must be found and *added* to the *Feet* and *Inches*.

N. B. If you have a Plank *broader* at one *End* than the other (which is very common) you will certainly (by what has been observed before) either take the *Breadth* in the *Middle*; or at *each End*, and *add* them together, and take the *Half* for the *true Breadth* (provided both *Edges* be *strait*) as you are directed in the *Case of Solid Measure*, on *Pages xxxii.* and *lxxi.*

☞ When you happen to meet with any *Board*, *Plank*, &c. *broader* than 24 Inches, or *longer* than 27 Feet, you must observe,

EXAMPLE III.

In a Plank 19 Feet long, and 27 Inches broad, I demand how many square Feet there are?

☞ Now since your Table extends but to 24 Inches *broad*, the 24 Inches must be taken out at *twice*, viz.

	F.	I.	P.
19 Feet long, and 24 Inches broad, is	38	0	0
19 Feet long, and $\frac{3}{4}$ Inches broad, is	04	9	0

The Content required is 42 9 0

So that a Plank, 19 Feet long, and 27 Inches broad, contains 42 superficial Feet, and 9 Inches.

If

Table of Flat Measure. lxiii

If you have a *Stock*, or *Parcel* of *Boards* or *Planks* to measure, which are all of *one Length*, but of *different Breadths*, you must set down the *Contents* of *each*, and add them together in the following *Manner*.

EXAMPLE IV.

16 Feet is the common *Length*, and the *Breadth* of

No.	Inches.	Contents. F. I. P.
1	is 7	9 4 0
2	$7\frac{1}{2}$	10 0 0
3	8	10 8 0
4	$8\frac{1}{2}$	11 4 0
5	9	12 0 0
6	$9\frac{1}{2}$	12 8 0
7	10	13 4 0
8	$10\frac{1}{2}$	14 0 0
9	11	14 8 0
10	$11\frac{1}{2}$	15 4 0
11	12	16 0 0

The square or superficial Content
of the said 11
Planks is } 139 4 0
Which is 139 Feet, 4 Inches,
the Content required.

☞ See the Observations concerning SAW-
YERS Work, on Page lxxi.

THE

T H E
U S E
O F T H E
T A B L E
O F

Superficial or Flat MEASURE,

When applied to

GLAZIERS WORK of all KINDS.

Beginning on *Page 140*, and ending on
Page 186.

EXAMPLE I.

IN a Window of leaded Glass, which has three Lights in it, each Light being 3 Feet long, and $15\frac{1}{4}$ Inches broad, I desire to know how many Feet there is of Glazing.

First add the Length of the Three Lights together, which make 9 Feet; then look in the Table for $15\frac{1}{4}$ Inches, the Breadth, and against 9 Feet (the Length) you will find 11 : 5 : 3; which is 11 Feet, 5 Inches, and 3 Twelfth Parts, or a Quarter of an Inch; and that is the Content of the Three Lights required.

EXAMPLE II.

In Four Windows (of leaded Glass) each Window having two
1 Lights,

The Use of the Table, &c. lxv

Lights, and each Light being 3 Feet, $6\frac{3}{4}$ Inches long, and $17\frac{3}{4}$ Inches broad: I demand how many Feet there is of Glazing?

First the *Length* of all the 8 Lights must be added together, which make 28 Feet, and 6 Inches; then look in the Table for $17\frac{3}{4}$ Inches the *Breadth*.

But since the Table does not extend to 28 Feet the Length, you must take the Answer out at thrice, *viz.*

	F.	I.	P.	S.
20 Feet long, and $17\frac{3}{4}$ Inches the Breadth, is	}	29	07	00
8 Feet long, and $17\frac{3}{4}$ Inches the Breadth, is		11	10	00
6 Inches long, and $17\frac{3}{4}$ Inches the Breadth, is		00	08	10
		00	08	10

The Content required 42 01 10 6

So that 4 Windows, each having two Lights, and each Light being 3 Feet $6\frac{3}{4}$ Inches long, and $17\frac{3}{4}$ Inches wide, contain 42 Feet, 1 Inch, 10 Parts, 6 Seconds of Glazing.

N. B. If you have any Quarters of an Inch in the Length, they must be found at the Bottom of the Table, and added as the Inches are in this Example II.

To measure Sash-Squares, this Table is also very useful.

EXAMPLE III.

In a Sash-Window that has 12 Squares of Glass, (i. e. is 4 high, and 3 broad) each Square being 10 Inches high, and $8\frac{1}{4}$ Inches broad. I would know how many Feet of Glass it contains?

i

First

lxvi *The Use of the Table in*

First *add* to either the *Height* of the 12 *Squares*, which make 10 *Feet*; then look in the Table for $8\frac{1}{4}$ *Inches* the *Breadth*, and against 10 *Feet* (the *Length*) is 6 *Feet*, 10 *Inches*, and 6 *Twelfth* *Parts*, or *Half* an *Inch*; which is the *Quantity* of *Glass* in the said *Sash-Window*.

N. B. If you have any *odd* *Inches*, or *Quarters* of an *Inch* in the *Length*, you must proceed as in *Example H*.

EXAMPLE IV.

In a Sash-Window having 18 Squares, each Square being 20 Inches high, and $11\frac{3}{4}$ Inches broad. I would know how many Feet of Glass are therein?

First *add* together the *Height* of the 18 *Squares*, which is 360 *Inches* (or 30 *Feet*;) then look in the Table for $11\frac{3}{4}$ *Inches* the *Breadth*.

But since the Table does not extend to 30 Feet the Length, you must take the Answer out at twice, viz.

	F. I. P.
20 Feet long, and 11 Inches $\frac{3}{4}$, in Breadth, is	} 19 7 0
10 Feet long, and 11 Inches $\frac{3}{4}$, in Breadth, is	
	} 09 9 6

The *Content* required is 29 4 6

So that a *Sash-Window* that hath 18 *Squares*, each *Square* being 20 *Inches* *high*, and $11\frac{3}{4}$ *Inches* *wide*, contains 29 *Feet* 4 *Inches* and a *Half* of *Glass*.

Ob.

measuring Glazier's Work. lxxvii

☞ *Observe that for the Generality, Sash Windows have either 12 or 18 Squares each; and in such a Case the Quantities are more easily and expeditiously found by the following Method.*

When a Window hath 12 Squares, the Inches in Height are to be conceived so many Feet in Length, as will more plainly appear by reconsidering the foregoing EXAMPLE III. where the 12 Squares were each of them 10 Inches high, and consequently, when added together, made 10 Feet in Length; so that by this Method of conceiving the Inches in Height, to be Feet, the Trouble and Time in adding the 12 together, is hereby saved, and the Question more easily answered.

Again: When a Window hath 18 Squares in it, if you conceive the Height in Inches to be Feet, and take the Content as given by the Table, and the Half of that Content, and these added together, will be the Quantity; and this Method will be very serviceable (if rightly understood) for by this Means you will rarely exceed the Extent of the Table (few Squares being more than 24 Inches high, the Bounds of the Table in Feet) as for Instance;

In EXAMPLE IV. where the Height of each Square was 20 Inches, and $11 \frac{3}{4}$ Inches broad, look in the Table for $11 \frac{3}{4}$ Inches, and against 20 Feet long, (i. e. Inches high) is 19 Feet, 7 Inches,

*i 2**Half*

lxviii *The Use of the Table, &c.*

Half of which is 9 Feet, 9 Inches, and a *Half*; and these being *added* together, make 29 Feet, 4 Inches, and a *Half*; which was the *Content* as given before on *Page* lxvi.

Many more *Examples* might be added to illustrate this *RULE*, but a little Application and Practice will make it very easy and familiar.

A TABLE of English Measures, and Quantities, relating to Building and Land.

AN Inch, is *one Twelfth* of a Foot.

A Palm, is 3 Inches.

A Hand, is 4 Inches.

A Span, is 9 Inches, or a *Quarter* of a Yard, or Half a Cubit.

A Foot, is 12 Inches, or 3 Hands.

A square Foot, is 144 square Inches.

A cubical Foot, is 1728 cubical Inches.

A Cubit, is 4 Hands and a *Half*, or 1 Foot and a *Half*.

A Yard, is 36 Inches, or 2 Cubits.

A square Yard, is 9 square Feet.

A cubical Yard, is 27 cubical Feet.

An Ell is 1 Yard and a *Quarter*, or 45 Inches.

A geometrical Space, is 5 Feet.

A Fathom, is 6 Feet, or 2 Yards.

A Square, is 100 square Feet.

A Statute-pole, or Perch, or Rod, is 16 Feet and a *Half*.

A Chain, is 4 Statute-poles, or Perches, or 22 Yards.

A Fen, or Woodland-pole, or Perch, is 18 Feet.

A Forest-pole, or Perch, is 21 Feet.

A Furlong, is 40 Poles, or Perches, or 220 Yards.

A Mile, is 8 Furlongs, or 1760 Yards.

A square Statute-pole, or Perch is 272½ square Feet.

A

A Table of Measures. lxiix

A *square* Woodland-pole, or Perch, is
234 *square* Feet.

A Rood is 40 *square* Poles, or Perches.

An Acre is 4 *square* Roods, or 160 Perches.

A Load of *rough* Timber is 40 Feet.

A Load of *squared* Timber is 50 Feet.

A Load of 1 Inch Plank is 600 *square* Feet.

A Load of $1\frac{1}{2}$ Inch Plank, is 400 *square* Feet.

A Load of 2 Inch Plank, is 300 *square* Feet.

A Load of $2\frac{1}{2}$ Inch Plank, is 240 *square* Feet.

A Load of 3 Inch Plank, is 200 *square* Feet.

A Load of $3\frac{1}{2}$ Inch Plank, is 170 *square* Feet.

A Load of 4 Inch Plank, is 150 *square* Feet.

A Load of *Statute* Bricks, is 500.

A Load of *plain* Tiles, is 1000.

A Load of Lime, is 32 Bushels.

A Load of Sand, is 36 Bushels.

A Hundred of Lime, is 35 Bushels.

A Hundred of Deals is 120.

A Hundred of Nails, is 120.

A Thousand of Nails, is 1200.

A Ton of Iron, is 2240 *Pound-Weight*.

A Fodder of Lead, is 19 Hundred $\frac{1}{2}$, or
2184 Pounds.

A Hundred of Lead, is 112 *Pound-Weight*.

A Table of Glass, is 5 Feet, and 45
Tables is a Case; but of NEWCASTLE
and NORMANDY Glass, 25 Tables is
a Case.

A Bundle of 4 Feet *Oak-Heart* Laths, is
120, and $37\frac{1}{2}$ Bundles is a Load.

A Bundle of 5 Feet *Oak-Heart* Laths, is
100, and 30 Bundles is a Load.

N. B. *Fir* or *Deal* Laths are of divers
Lengths, as 3, 4, 5, and 6 Feet; but
all of them are reduced to the
Standard Length of 5 Feet; and so
every Run of Bundles (each Bundle
containing 100 Laths) is a Load, being
equal to 30 Bundles of 5 Feet Laths.

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S O M E
O B S E R V A T I O N S
C O N C E R N I N G
T I M B E R

Sawed into

BOARDS or PLANKS.

And also

Concerning SAWYERS WORK,
and the usual Method of mea-
suring them : With some Ac-
count of the LONDON *Prices*
of *Sawyers Work*.



lxxii Of Measuring.

THE following Fig. 1, and Fig. 2, are intended to represent two different shaped Boards, or Planks, each 6 Feet long, each 10 Inches broad at the Butt, and each 8 Inches broad at the Top; the dotted Lines shew how they each differ from the Boards, or Planks, as are strait sided.

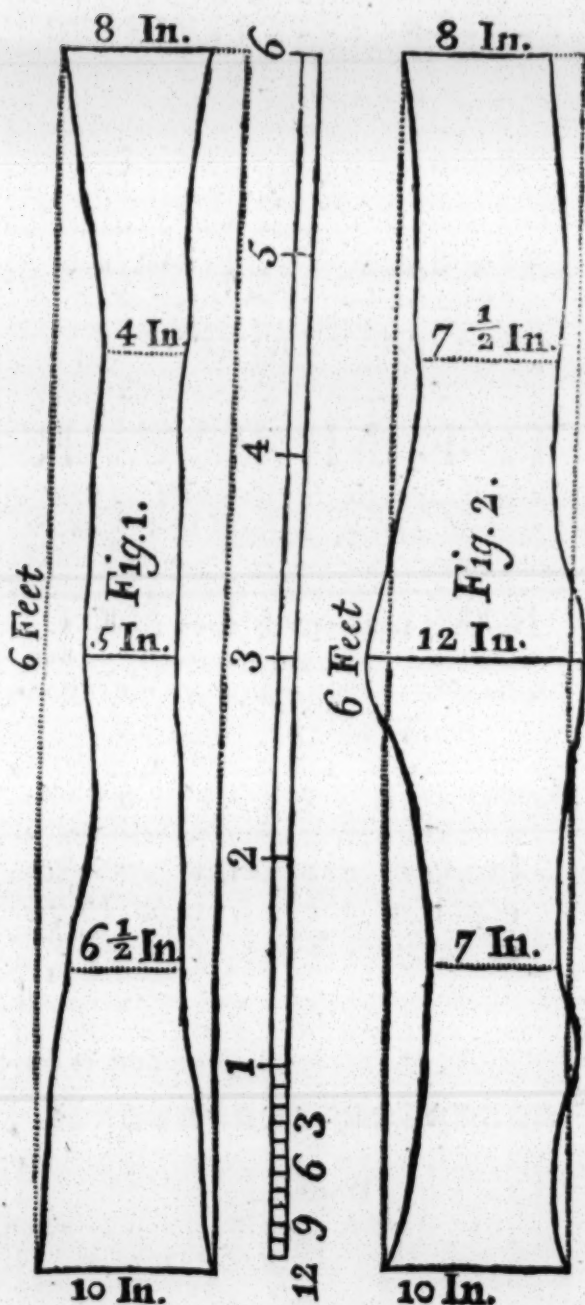


FIG. 1. you see measures 5 Inches in the Middle, which look for in the Table, and



Boards or Planks. lxxiii

and at 6 Feet the *Length*, you find it contains 2 Feet 6 Inches, according to the *customary Way* of measuring.

Fig. 2. You see measures 12 Inches in the middle, which look for in the Table, and at 6 Feet the *Length*, you find it contains 6 Feet, according to the *customary Way* of measuring. So that it is evident, that of two Boards, or Planks, of the same *Length*, and of the same *Breadth* at the *Butt*, and *Top*, according as the *Middle* runs one shall contain three superficial Feet, and an Half, more or less, than the other.

FIG. 1. by Two Dimensions.

Let us now suppose *Fig. 1.* to be cut in the Middle, and to be measured by *two Dimensions*: The *Middle* of the *bottom* Part measures 6 Inches and a Half, which look for in the Table, and at 3 Feet the *Length*, you find it contains 1 Foot, 7 Inches, and a Half (or 6 Parts). The *Middle* of the *Top* Part is 4 Inches, which look for in the Table, and at 3 Feet the *Length*, you will find it contains just 1 Foot; these added together, make the whole to be 2 Feet, 7 Inches, and a Half; so that there is only 1 superficial Inch, and a Half, gained or lost, by measuring *Fig. 1.* by one or two Dimensions.

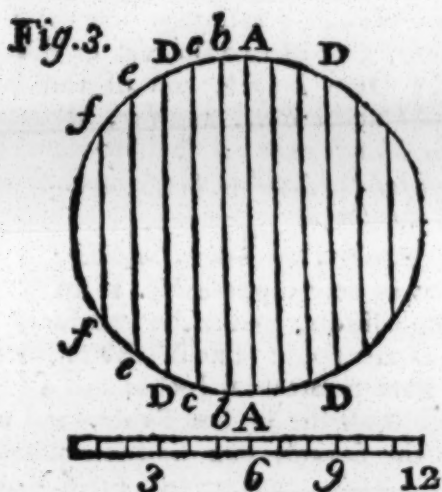
FIG. 2. by Two Dimensions.

Let us now measure *Fig. 2.* by *Two Dimensions*: The *Middle* of the *bottom* Part measures 7 Inches, which look for in the Table, and at 3 Feet, the *Length*, you will find it contains 1 Foot 9 Inches; the *Middle* of the *Top* Part is $7\frac{1}{2}$ Inches; which, by the Table at 3 Feet the *Length*, is 1 Foot 10 Inches and a Half; and these added together (instead of making 6 Feet as before) make the whole to contain no more than 3 Feet, 7 Inches, and a Half; which is 2 Feet, 4 Inches, and a Half less than it measured to, when measured by one Dimension.

And if we suppose *Fig. 2* to be a fine Walnut tree, two Inch Plank, at 12d. per Foot; if measured by one Dimension, it comes to 6s. but if it be measured by two Dimensions, it comes (at the same Price) to no more than 3s. 7d. $\frac{1}{2}$, which is 2s. 4d. $\frac{1}{2}$. Loss.

xxiv Of Measuring

THE following CUT, Fig. 3, is intended to represent the End of a strait Piece of round Timber; 12 Inches Diameter at each END; and 6 Feet long.



AA. Shews what is commonly called *Sawyers Measure*, for which, at LONDON, if it be OAK, there is usually paid 3s. per 100 Feet, *Superficial Measure*.

DD. Shews what is commonly called *Market Measure* (and which is the truest) for which at LONDON, if it be OAK, there is usually paid 3s. 6d. per 100 Feet, *Superficial Measure*.

The first Column in the following Table shews the DIAMETER, the Second the SUPERFICIAL Content; and the Third, what is lost per each Cut, or Board, if you pay for them all per *Sawyers Measure*.

The Diameter or Breadth of each Cut.	Superficial Content of each Cut or Board.			Lost per each Cut.		
	Ft.	In.	P.	Ft.	In.	Pa
AA	1	0	0	6	0	0
bb	0	11	3/4	5	10	6
cc	0	11	1/2	5	9	0
DD	0	10	3/4	5	4	6
ee	0	9	0	4	6	0
ff	0	7	0	3	6	0

At LONDON, the Sawyers cut Timber at the following Prices.

OAK, from 3s. to 3s. 6d. per 100 Feet, Superficial Measure; or 7s. per Load, of 50 solid Feet.

ASH, from 5s. to 6s. per 100 Feet, Superficial Measure; or from 8s. to 12s. per Load, of 50 solid Feet.

FIR, from 3s. to 4s. per 100 Feet, Superficial Measure; or 6s. per Load, of 50 solid Feet.

What are called *DEALS*, are sawed Abroad; but for *slitting 10 Feet Deals*, there is usually paid in LONDON, 2s. 6d. per Dozen, or 2d. $\frac{1}{2}$ per Cut; and for 12 Feet Deal, 3s. per Dozen, or 3d. per Cut.

MAHOGONY, from 5s. to 8s. per 100 Feet, Superficial Measure.


WALNUT-TREE from 5s. to 7s. per 100 Feet, Superficial Measure.

ELM, from 2s. 6d. to 5s. per 100 Feet, Superficial Measure.

N. B. Mahogany, Wall nut-tree, and Elm, are never cut by the Load.

N. B. BEECH is commonly used for *Bedsteads, Chairs, Table Frames, &c.* and is generally cut in the Country.

N. B. The Difference in the Prices of sawing the *same* foregoing Woods, arises from the *valuableness* and *fineness* of the Timber and Sawing.

 No *Planking*, less than 2 Inches thick is cut by the Load: In case it is thinner than 2 Inches thick, it is measured by the 100 Feet Superficial Measure.

N. B. By *Custom*, the Sawyers at London have one Piece with another, as they shall happen to fall out, as much per Load for breaking down, or cutting a Piece of Timber into large Scantlings, as they have for breaking it down, or cutting it into small Scantlings; viz. they will cut a Piece of Timber, a Foot square, of any Length, into 2 Scantlings of 12 Inches by 6 Inches; or into 4 Scantlings of

lxxvi *Of Measuring.*

6 *Inches* by 6 *Inches*; or into 12 Scantlings of 4 *Inches*, by 3 *Inches*, all at one and the *same Price*, or for the *same Money*. And the Reason they give for this Practice is, where the Stuff proves *fine*, it is seldom, or never, the Interest of the Owner, to have it cut into *small* Scantlings.

N. B. Having occasionally made Use of the Terms *Lineal*, or *Running*; *Superficial* or *Square*; and *Solid*, or *Cubical* Measure, in the foregoing Pages, it may not be amiss here to explain them.

Lineal, or *Running* Measure; regards only the *Length*, but has no regard to the *Breadth* or *Thicknes*s.

Superficial or *Square* Measure; regards the *Length* and *Breadth*.

Solid or *Cubical* Measure; regards the *Length*, *Breadth*, and *Thicknes*s.

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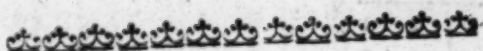
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TIMBER, STONE, &c.

Ready cast up,

Whereby the true *Square* of
any Piece of *Timber, Stone,*
&c. being broader *one Way*
than *the other*, may be
found; from 2 to 54 *Inches*
the *broadest Side*.

And therefore, by *Addition only*, may
serve to any *greater Breadth*, if
there should ever be *Occasion*.

• • See this Table *explained*:
on *Page xx*.



2 In. Sqr.			12			7			5			0		
1	2	1	2	5	2	2	5	0	2	5	0	2	5	0
3	2	2	13	5	3	2	5	1	7	5	1	7	5	1
2	2	3	2	5	3	2	5	2	8	5	2	8	5	2
4	2	3	14	6	0	2	6	0	9	5	2	9	5	2
2	3	0	2	6	0	2	6	1	2	5	3	2	5	3
5	3	1	15	6	1	10	6	1	10	6	0	10	6	0
2	3	2	2	6	1	2	6	2	2	6	1	2	6	1
6	3	2	16	6	2	11	6	2	11	6	2	11	6	2
2	3	3	2	6	2	2	6	3	2	6	3	2	6	3
7	3	3	17	6	2	12	6	3	12	6	3	12	6	3
2	3	3	2	6	2	2	6	3	2	6	3	2	6	3
8	4	0	18	6	3	13	6	3	13	6	3	13	6	3
2	4	0				2	7	0	2	7	0	2	7	0
9	4	1	3 In Sqr.			14	7	0	14	7	0	14	7	0
2	4	1	2	3	1	2	7	1	2	7	1	2	7	1
10	4	2	4	3	2	15	7	1	15	7	1	15	7	1
2	4	2	2	3	3	2	7	2	2	7	2	2	7	2
11	4	3	5	3	3	16	7	2	16	7	2	16	7	2
2	4	3	2	4	0	2	7	3	2	7	3	2	7	3
12	5	0	6	4	1	17	7	3	17	7	3	17	7	3
2	5	0	2	4	1	2	7	3	2	7	3	2	7	3
13	5	1	7	4	2	18	8	0	18	8	0	18	8	0
2	5	1	2	4	3									
14	5	1	8	4	3	4 In. Sqr.			2	4	1	2	4	1
2	5	2	2	5	0	2	4	2	2	4	2	2	4	2
15	5	2	9	5	1	5	4	3	5	4	3	5	4	3
2	5	2	2	5	1	2	4	3	2	4	3	2	4	3
16	5	3	10	5	2	6	5	0	6	5	0	6	5	0
2	5	3	2	5	2	2	5	0	2	5	0	2	5	0
17	5	3	11	5	3	7	5	1	7	5	1	7	5	1
2	6	0	2	6	0	2	5	2	2	5	2	2	5	2
18	6	0	12	6	0	8	5	2	8	5	2	8	5	2
			2	6	1	2	5	3	2	5	3	2	5	3
$2\frac{1}{2}$ In. Sqr.			13	6	1	9	6	0	9	6	0	9	6	0
3	2	3	2	6	1	2	6	1	2	6	1	2	6	1
2	3	0	14	6	2	10	6	1	10	6	1	10	6	1
4	3	1	2	6	2	2	6	2	2	6	2	2	6	2
2	3	2	15	6	3	11	6	2	11	6	2	11	6	2
5	3	2	2	6	3	2	6	3	2	6	3	2	6	3
2	3	3	16	7	0	12	7	0	12	7	0	12	7	0
6	3	3	2	7	0	2	7	0	2	7	0	2	7	0
2	4	0	17	7	1	13	7	1	13	7	1	13	7	1
7	4	1	2	7	1	2	7	1	2	7	1	2	7	1
2	4	1	18	7	1	14	7	2	14	7	2	14	7	2
8	4	2				2	7	2	2	7	2	2	7	2
2	4	2	$3\frac{1}{2}$ Sqr.			15	7	3	15	7	3	15	7	3
9	4	3	4	3	3	2	7	3	2	7	3	2	7	3
2	4	3	2	3	3	16	8	0	16	8	0	16	8	0
10	5	0	5	4	0	2	8	1	2	8	1	2	8	1
2	5	0	2	4	1	17	8	1	17	8	1	17	8	1
11	5	1	6	4	2	2	8	2	2	8	2	2	8	2
2	5	1	2	4	3	18	8	2	18	8	2	18	8	2

Unequal-Sided Timber, &c. 3.

4½ Sqr.			17 9 1			17 10 0		
5	4	3	2	9	1	2	10	1
2	5	0	18	9	2	18	10	2
5½ Sqr.			6½ Sqr.					
6	5	1	7	6	3	7	6	3
2	5	2	2	6	0	2	7	0
7	5	2	7	6	1	8	7	1
2	5	3	2	6	2	2	7	2
8	6	0	8	6	3	9	7	3
2	6	1	2	6	3	2	7	3
9	6	1	9	7	0	10	8	0
2	6	2	2	7	1	2	8	1
10	6	3	10	7	2	11	8	2
2	6	3	2	7	2	2	8	3
11	7	0	11	7	3	12	8	3
2	7	1	2	8	0	2	9	0
12	7	1	12	8	0	13	9	1
2	7	2	2	8	1	2	9	1
13	7	3	13	8	2	14	9	2
2	7	3	2	8	2	2	9	3
14	8	0	14	8	3	15	10	0
2	8	0	2	9	0	2	10	0
15	8	1	15	9	0	16	10	1
2	8	1	2	9	1	2	10	1
16	8	2	16	9	2	17	10	2
2	8	2	2	9	2	2	10	3
17	8	3	17	9	3	18	10	3
2	8	3	2	9	3			
18	9	0	18	10	0			
5 In. Sqr.			6 In. Sqr.			7 In. Sqr.		
2	5	1	2	6	1	2	7	1
6	5	2	7	6	2	8	7	2
2	5	3	2	6	3	2	7	3
7	6	0	8	7	0	9	8	0
2	6	0	2	7	1	2	8	1
8	6	1	9	7	1	10	8	1
2	6	2	2	7	2	2	8	2
9	6	3	10	7	3	11	8	3
2	6	3	2	8	0	2	9	0
10	7	0	11	8	0	12	9	1
2	7	1	2	8	1	2	9	1
11	7	2	12	8	2	13	9	2
2	7	2	2	8	3	2	9	3
12	7	3	13	8	3	14	10	0
2	8	0	2	9	0	2	10	0
13	8	0	14	9	1	15	10	1
2	8	1	2	9	1	2	10	2
14	8	1	15	9	2	16	10	2
2	8	2	2	9	3	2	10	3
15	8	3	16	9	3	17	11	0
2	8	3	2	10	0	2	11	0
16	9	0				18	11	1
2	9	1						

The SQUARE of

7 $\frac{1}{2}$ Sqr.			13	10	2	10 In. Sqr.		
8	7	3	2	10	3	2	10	1
2	8	0	14	11	0	11	10	2
9	8	1	2	11	0	2	10	3
2	8	2	15	11	1	12	11	0
10	8	3	2	11	2	2	11	1
2	8	3	16	11	3	13	11	2
11	9	0	2	11	3	2	11	2
2	9	1	17	12	0	14	11	3
12	9	2	2	12	1	2	12	0
2	9	3	18	12	1	15	12	1
13	9	3	9 In. Sqr.			2	12	2
2	10	0	2	9	1	16	12	3
14	10	1	10	9	2	2	12	3
2	10	2	2	9	3	17	13	0
15	10	2	11	10	0	2	13	1
2	10	3	2	10	1	18	13	2
16	11	0	12	10	2	2	13	2
2	11	0	2	10	2	19	13	3
17	11	1	13	10	3	2	14	0
2	11	2	2	11	0	20	14	1
18	11	2	14	11	1	10 $\frac{1}{2}$ Sqr.		
8 In. Sqr.			2	11	2	11	10	3
2	8	1	15	11	2	2	11	0
9	8	2	2	11	3	12	11	1
2	8	3	16	12	0	2	11	2
10	9	0	2	12	1	13	11	3
2	9	1	17	12	1	2	12	0
11	9	2	2	12	2	14	12	0
2	9	2	18	12	3	2	12	1
12	9	3	9 $\frac{1}{2}$ Sqr.			15	12	2
2	10	0	10	9	3	2	12	3
13	10	1	2	10	0	16	13	0
2	10	2	11	10	1	2	13	1
14	10	2	2	10	2	17	13	1
2	10	3	12	10	3	2	13	2
15	11	0	2	11	0	18	13	3
2	11	1	13	11	0	2	14	0
16	11	1	2	11	1	19	14	0
2	11	2	14	11	2	2	14	1
17	11	3	2	11	3	20	14	2
2	11	3	15	12	0	2	14	3
18	12	0	2	12	1	21	14	3
8 $\frac{1}{2}$ Sqr.			16	12	1	11 In. Sqr.		
9	8	3	2	12	2	2	11	1
2	9	0	17	12	3	12	11	2
10	9	1	2	13	0	2	11	3
2	9	2	18	13	0	13	12	0
11	9	3	2	13	1	2	12	1
2	10	0	19	13	2	14	12	2
12	10	0	2	13	2	2	12	3
2	10	1						

Unequal-Sided TIMBER, &c. 5

15	12	3	18	14	3	19	15	2
2	13	0	2	15	0	2	15	3
16	13	1	19	15	0	20	16	0
2	13	2	2	15	1	2	16	1
17	13	3	20	15	2	21	16	2
2	13	3	2	15	3	2	16	3
18	14	0	21	15	3	22	17	0
2	14	1	2	16	0	2	17	0
19	14	2	22	16	1	23	7	1
2	14	3	2	16	2	2	17	2
20	14	3	23	16	3	24	17	3
2	15	0	2	16	3	2	17	3
21	15	1	24	17	0	25	18	0
2	15	1	<hr/> 12½ Sqr. <hr/>			2	18	1
22	15	2				26	18	2

11½ Sqr.

12	11	3
2	12	0
13	12	0
2	12	1
14	12	2
2	12	3
15	13	0
2	13	1
16	13	2
2	13	3
17	14	0
2	14	1
18	14	2
2	14	2
19	14	3
2	15	0
20	15	1
2	15	1
21	15	2
2	15	3
22	16	0
2	16	0
23	16	1

12 In. Sqr.

2	12	1
13	12	2
2	12	3
14	13	0
2	13	1
15	13	2
2	13	3
16	13	3
2	14	0
17	14	1
2	14	2

13 In. Sqr.

13	12	3
2	13	0
14	13	1
2	13	2
15	13	3
2	14	0
16	14	1
2	14	1
17	14	2
2	14	3
18	15	0
2	15	0
19	15	1
2	15	2
20	15	3
2	16	0
21	16	1
2	16	2
22	16	2
2	16	3
23	17	0
2	17	1
24	17	1
2	17	2
25	17	3

13 In. Sqr.

2	13	1
14	13	2
2	13	3
15	14	0
2	14	1
16	14	2
2	14	3
17	14	3
2	15	0
18	15	1
2	15	2

13½ Sqr.

14	13	3
2	14	0
15	14	1
2	14	2
16	14	3
2	15	0
17	15	1
2	15	1
18	15	2
2	15	3
19	16	0
2	16	1
20	16	2
2	16	3
21	16	3
2	17	0
22	17	1
2	17	2
23	17	2
2	17	3
24	18	0
2	18	1
25	18	1
2	18	2
26	18	3
2	19	0
27	19	0

14 In. Sqr.

2	14	1
15	14	2
2	14	3
16	15	0
2	15	1
17	15	2
2	15	3

18	16	0	15 In. Sqr.	26	20	0
2	16	1	2 15 1	2	20	1
19	16	2	16 15 2	27	20	2
2	16	3	2 15 3	2	20	3
20	16	3	17 16 0	28	20	3
2	17	0	2 16 1	2	21	0
21	17	1	18 16 2	29	21	1
2	17	1	2 16 3	2	21	2
22	17	2	19 17 0	30	21	3
2	17	3	2 17 0	2	21	3
23	18	0	20 17 1	31	22	0
2	18	1	2 17 2	6 In. Sqr.		
24	18	1	21 17 3	2	16	1
2	18	2	2 18 0	17	16	2
25	18	3	22 18 1	2	16	3
2	19	0	2 18 1	18	17	0
26	19	0	23 18 2	2	17	1
2	19	1	2 18 3	19	17	2
27	19	2	24 19 0	2	17	3
2	19	2	2 19 1	20	18	0
28	19	3	25 19 1	2	18	0
14 $\frac{1}{2}$ Sqr.			2 19 2	21	18	1
15	14	3	26 19 3	2	18	2
2	15	0	2 20 0	22	18	3
16	15	1	27 20 1	2	19	0
2	15	2	2 20 1	23	19	1
17	15	3	28 20 2	2	19	2
2	16	0	2 20 3	24	19	2
18	16	1	29 20 3	2	19	3
2	16	2	2 21 0	25	20	0
19	16	2	30 21 1	2	20	1
2	16	3	15 $\frac{1}{2}$ Sqr.			26 20 2
20	17	0	16 15 3	2	20	2
2	17	1	2 16 0	27	20	3
21	17	2	17 16 1	2	21	0
2	17	3	2 16 2	28	21	1
22	17	3	18 16 3	2	21	1
2	18	1	2 17 0	29	21	2
23	18	1	19 17 1	2	21	3
2	18	2	2 17 2	30	22	0
24	18	3	20 17 2	2	22	0
2	18	3	2 17 3	31	22	1
25	19	0	21 18 0	2	22	2
2	19	1	2 18 1	32	22	3
26	19	2	22 18 2	16 $\frac{1}{2}$ Sqr.		
2	19	2	2 18 3	17	16	3
27	19	3	23 18 3	2	17	0
2	20	0	2 19 0	18	17	1
28	20	1	24 19 1	2	17	2
2	20	1	2 19 2	19	17	3
29	20	2	25 19 3	2	18	0
			2 19 3			

Unequal-Sided TIMBER, &c. 7

20	18	1	29	22	1	20	19	0
1	18	2	1	22	2	1	19	1
21	18	2	30	22	2	21	19	2
1	18	3	1	22	3	1	19	3
22	19	0	31	23	0	22	20	0
1	19	1	1	23	1	1	20	1
23	19	2	32	23	1	23	20	1
1	19	3	1	23	2	1	20	2
24	20	0	33	23	3	24	20	3
1	20	0	1	23	3	1	21	0
25	20	1	34	24	0	25	21	1
1	20	2	<hr/>			1	21	2
26	20	3	17½ Sqr.			26	21	2
1	20	3	18	17	3	1	21	3
27	21	0	1	18	0	27	22	0
1	21	1	19	18	1	1	22	1
28	21	2	1	18	2	28	22	2
1	21	3	20	18	3	1	22	3
29	21	3	1	19	0	29	22	3
1	22	0	21	19	1	1	23	0
30	22	1	1	19	2	30	23	1
1	22	2	2	19	2	1	23	2
31	22	2	1	19	3	31	23	2
1	22	3	23	20	0	1	23	3
32	23	0	1	20	1	32	24	0
1	23	1	24	20	2	1	24	1
33	23	1	1	20	3	33	24	1
<hr/>			25	21	0	1	24	2
17 In. Sqr.			1	21	0	34	24	3
1	17	1	26	21	1	1	25	0
18	17	2	1	21	2	35	25	1
1	17	3	27	21	3	1	25	2
19	18	0	1	22	0	36	25	3
1	18	1	28	22	1	<hr/>		
20	18	2	1	22	1	18½ Sqr.		
1	18	3	29	22	2	19	18	3
21	19	0	1	22	3	1	19	0
1	19	0	30	23	0	20	19	1
22	19	1	1	23	0	1	19	2
1	19	2	31	23	1	21	19	3
23	19	3	1	23	2	1	20	0
1	20	0	32	23	3	22	20	1
24	20	1	1	23	3	1	20	2
1	20	2	33	24	0	23	20	3
25	20	2	1	24	1	1	20	3
1	20	3	34	24	2	24	21	0
26	21	0	1	24	2	1	21	1
1	21	1	35	24	3	25	21	2
27	21	2	<hr/>			1	21	3
1	21	2	18 In. Sqr.			26	22	0
28	21	3	1	18	1	1	22	1
1	22	0	19	18	2	27	22	1
			1	18	3	1	22	2

28	22	3	35	25	3	22	21	0
2	23	0	2	25	0	2	21	1
29	23	1	36	26	1	23	21	2
2	23	1	2	26	1	2	21	3
30	23	2	37	26	2	24	22	0
2	23	3	2	26	3	2	22	1
31	24	0	38	26	3	25	22	1
2	24	1				2	22	2
32	24	1	19 $\frac{1}{2}$ Sqr.			26	22	3
2	24	2	20	19	3	2	23	0
33	24	3	2	20	0	27	23	1
2	25	0	21	20	1	2	23	2
34	25	0	2	20	2	28	23	3
2	25	1	22	20	3	2	23	3
35	25	2	2	21	0	29	24	0
2	25	3	23	21	1	2	24	1
36	25	3	2	21	2	30	24	2
2	25	0	24	21	3	2	24	3
37	26	1	2	21	3	31	25	0
19 $\frac{1}{2}$ Sqr.			25	22	0	2	25	0
2	19	1	2	22	1	32	25	1
20	19	2	26	22	2	2	25	2
2	19	3	2	22	3	33	25	3
21	20	0	27	23	0	2	26	0
2	20	1	2	23	1	34	26	0
22	20	2	28	23	1	2	26	1
2	20	3	2	23	2	35	26	2
23	21	0	29	23	3	2	26	3
2	21	1	2	24	0	36	26	3
24	21	1	30	24	1	2	27	0
2	21	2	2	24	2	37	27	1
25	21	3	31	24	2	2	27	2
2	22	0	2	24	3	38	27	2
26	22	1	32	25	0	2	27	3
2	22	2	2	25	1	39	28	0
27	22	3	33	25	1	2	28	0
2	22	3	2	25	2	40	28	1
28	23	0	34	25	3	20 $\frac{1}{2}$ Sqr.		
2	23	1	2	26	0	21	20	3
29	23	2	35	26	0	2	21	0
2	23	3	2	26	1	22	21	1
30	23	3	36	26	2	2	21	2
2	24	0	2	26	3	23	21	3
31	24	1	37	26	3	2	22	0
2	24	2	2	27	0	24	22	1
32	24	3	38	27	1	2	22	2
2	24	3	2	27	2	25	22	3
33	25	0	39	27	2	2	22	3
2	25	1	20 $\frac{1}{2}$ Sqr.			26	23	0
34	25	2	2	20	1	2	23	1
2	25	2	21	20	2	27	23	2
			2	20	3	2	23	3

Unequal-Sided TIMBER, &c. 9

28	24	0	33	26	1	38	28	2
2	24	1	2	26	2	2	28	3
29	24	1	34	26	3	39	29	0
2	24	2	2	27	0	2	29	1
30	24	3	35	27	0	40	29	1
2	25	0	2	27	1	2	29	2
31	25	1	36	27	2	41	29	3
2	25	2	2	27	3	2	29	3
32	25	2	37	27	3	42	30	0
2	25	3	2	28	0	2	30	1
33	26	0	38	28	1	43	30	2
2	26	1	2	28	2	22 In. Sqr.		
34	26	2	39	28	2	2	22	1
2	26	2	2	28	3	23	22	2
35	26	3	40	29	0	2	22	3
2	27	0	2	29	1	24	23	0
36	27	1	41	29	1	2	23	1
2	27	1	2	29	2	25	23	2
37	27	2	42	29	3	2	23	3
2	27	3	21 $\frac{1}{2}$ Sqr.			26	24	0
38	28	0	22	21	3	2	24	1
2	28	1	2	22	0	27	24	1
39	28	2	2	22	1	2	24	2
2	28	3	23	22	2	28	24	3
40	28	3	2	22	3	2	25	0
2	29	0	24	22	0	29	25	1
41	29	1	2	23	1	2	25	2
21 In. Sqr.			25	23	2	30	25	3
2	21	1	2	23	3	2	26	0
22	21	2	26	23	3	31	26	0
2	21	3	2	23	3	2	26	1
23	22	0	27	24	0	32	26	2
2	22	1	2	24	1	2	26	3
24	22	2	28	24	2	33	27	0
2	22	3	2	24	3	2	27	1
25	23	0	29	25	0	34	27	1
2	23	1	2	25	1	2	27	2
26	23	1	30	25	2	35	27	3
2	23	2	2	25	2	2	28	0
27	23	3	31	25	3	36	28	1
2	24	0	2	26	0	2	28	1
28	24	1	32	26	1	37	28	2
2	24	2	2	26	2	2	28	3
29	24	3	33	26	3	38	29	0
2	25	0	2	26	3	2	29	0
30	25	0	34	27	0	39	29	1
2	25	1	2	27	1	2	29	2
31	25	2	35	27	2	40	29	3
2	25	3	2	27	3	2	29	3
32	26	0	36	27	3	41	30	0
2	26	0	2	28	0	2	30	1
			37	28	1	42	30	2
			2	28	2	2	30	2

43	30	3	24	23	2	27	25	1
²	31	0	²	23	3	²	25	2
44	31	0	25	24	0	28	25	3
²			²	24	1	²	25	3
<u>22$\frac{1}{2}$ Sqr.</u>			26	24	2	29	26	0
23	22	3	²	24	3	²	26	1
²	23	0	27	25	0	30	26	2
24	23	1	²	25	1	²	26	3
²	23	2	28	25	2	31	27	0
25	23	3	²	25	2	²	27	1
²	24	0	29	25	3	32	27	2
26	24	1	²	26	0	²	27	3
²	24	2	30	26	1	33	27	3
27	24	3	²	26	2	²	28	0
²	24	3	31	26	3	34	28	1
28	25	0	²	27	0	²	28	2
²	25	1	32	27	1	35	28	3
29	25	2	²	27	1	²	29	0
²	25	3	33	27	2	36	29	0
30	26	0	²	27	3	²	29	1
²	26	1	34	28	0	37	29	2
31	26	2	²	28	1	²	29	3
²	26	2	35	28	1	38	29	3
32	26	3	²	28	2	²	30	0
²	27	0	36	28	3	39	30	1
33	27	1	²	29	0	²	30	2
²	27	2	37	29	1	40	30	3
34	27	3	²	29	1	²	30	3
²	27	3	38	29	2	41	31	0
35	28	0	²	29	3	²	31	1
²	28	1	39	30	0	42	31	2
36	28	2	²	30	1	²	31	2
²	28	3	40	30	2	43	31	3
37	28	3	²	30	3	²	32	0
²	29	0	41	31	0	44	32	1
38	29	1	²	31	0	²	32	1
²	29	2	42	31	1	45	32	2
39	29	2	²	31	2	²	32	3
²	29	3	43	31	2	46	33	0
40	30	0	²	31	3	²	33	0
²	30	1	44	32	0	47	33	1
41	30	1	²	32	1	<u>24 In. Sqr.</u>		
²	30	2	45	32	1	²	24	1
42	30	3	²	32	2	25	24	2
²	31	0	46	32	3	²	24	3
43	31	0	<u>23$\frac{1}{2}$ Sqr.</u>			26	25	0
²	31	1	24	23	3	²	25	1
44	31	2	²	24	0	27	25	2
²	31	3	25	24	1	²	25	3
45	31	3	²	24	2	28	26	0
<u>23 In. Sqr.</u>			26	24	3	²	26	1
²	23	1	²	25	0			

29	26	2	31	27	2	32	28	1
2	26	2	2	27	3	2	28	2
30	26	3	32	28	0	33	28	3
2	27	0	2	28	1	2	29	0
31	27	1	33	28	2	34	29	1
2	27	2	2	28	3	2	29	1
32	27	3	34	28	3	35	29	2
2	28	0	2	29	0	2	29	3
33	28	1	35	29	1	36	30	0
2	28	1	2	29	2	2	30	1
34	28	2	36	29	3	37	30	2
2	28	3	2	30	0	2	30	2
35	29	0	37	30	0	38	30	3
2	29	1	2	30	1	2	31	0
36	29	2	38	30	2	39	31	1
2	29	2	2	30	3	2	31	2
37	29	3	39	31	0	40	31	2
2	30	0	2	31	0	2	31	3
38	30	1	40	31	1	41	32	0
2	30	2	2	31	2	2	32	1
39	30	2	41	31	3	42	32	2
2	30	3	2	31	3	2	32	2
40	31	0	42	32	0	43	32	3
2	31	1	2	32	1	2	33	0
41	31	1	43	32	2	44	33	1
2	31	2	2	32	3	2	33	1
42	31	3	44	32	3	45	33	2
2	32	0	2	33	0	2	33	3
43	32	0	45	33	1	46	34	0
2	32	1	2	33	2	2	34	0
44	32	2	46	33	2	47	34	1
2	32	3	2	33	3	2	34	2
45	33	0	47	34	0	48	34	3
2	33	0	2	34	0	2	34	3
46	33	1	48	34	1	49	35	0
2	33	2	2	34	2	2	35	1
47	33	2	49	34	3	50	35	1
2	33	3						
48	34	0						
24 $\frac{1}{2}$ Sqr.			25 $\frac{1}{2}$ Sqr.			25 $\frac{1}{2}$ Sqr.		
25	24	3	2	25	1	26	25	3
2	25	0	26	25	2	2	26	0
26	25	1	2	25	3	27	26	1
2	25	2	27	26	0	2	26	2
27	25	3	2	26	1	28	26	3
2	26	0	28	26	2	2	27	0
28	26	1	2	26	3	29	27	1
2	26	2	29	27	0	2	27	2
29	26	3	2	27	1	30	27	3
2	27	0	2	27	2	2	27	3
30	27	0	30	27	1	31	28	0
2	27	0	2	27	3	2	28	1
2	27	0	2	28	0	32	28	2
						2	28	3

33	29	0	33	29	1	33	29	2
2	29	1	2	29	2	2	29	3
34	29	2	34	29	3	34	30	0
2	29	3	2	30	0	2	30	1
35	29	3	35	30	1	35	30	2
2	30	0	2	30	2	2	30	3
36	30	1	36	30	2	36	31	0
2	30	2	2	30	3	2	31	0
37	30	3	37	31	0	37	31	1
2	31	0	2	31	1	2	31	2
38	31	1	38	31	2	38	31	3
2	31	1	2	31	3	2	32	0
39	31	2	39	31	3	39	32	1
2	31	3	2	32	0	2	32	1
40	32	0	40	32	1	40	32	2
2	32	0	2	32	2	2	32	3
41	32	1	41	32	3	41	33	0
2	32	2	2	32	3	2	33	1
42	32	3	42	33	0	42	33	1
2	33	0	2	33	1	2	33	2
43	33	0	43	33	2	43	33	3
2	33	1	2	33	3	2	34	0
44	33	2	44	33	3	44	34	1
2	33	3	2	34	0	2	34	1
45	33	3	45	34	1	45	34	2
2	34	0	2	34	2	2	34	3
46	34	1	46	34	2	46	35	0
2	34	2	2	34	3	2	35	0
47	34	2	47	35	0	47	35	1
2	34	3	2	35	1	2	35	2
48	35	0	48	35	1	48	35	3
2	35	1	2	35	2	2	35	3
49	35	1	49	35	3	49	36	0
2	35	2	2	35	3	2	36	1
50	35	3	50	36	0	50	36	2
2	35	3	2	36	1	2	36	2
51	36	0	51	36	2	51	36	3
			2	36	2	2	37	0
26 In. Sqr.			52	36	3	52	37	0
			26 $\frac{1}{2}$ Sqr.			2	37	1
2	26	1	27	26	3	53	37	2
27	26	2	2	27	1	27 In. Sqr.		
2	26	3	28	27	2	2	27	1
28	27	0	2	27	3	28	27	2
2	27	1	29	27	0	2	27	3
29	27	2	2	28	0	29	28	0
2	27	3	30	28	1	2	28	1
30	28	0	2	28	2	30	28	2
2	28	1	31	28	3	2	28	3
31	28	2	2	28	3	31	29	0
2	28	2	32	29	0	2	29	1
32	28	3	2	29	1			
2	29	0						

32	29	2	31	29	1	30	29	0
2	29	2	2	29	2	2	29	1
33	29	3	32	29	3	31	29	2
2	30	0	2	29	3	2	29	3
34	30	1	33	30	0	32	30	0
2	30	2	2	30	1	2	30	1
35	30	3	34	30	2	33	30	2
2	31	0	2	30	3	2	30	3
36	31	1	35	31	0	34	30	3
2	31	2	2	31	1	2	31	0
37	31	2	36	31	2	35	31	1
2	31	3	2	31	3	2	31	2
38	32	0	37	32	0	36	31	3
2	32	1	2	32	0	2	32	0
39	32	2	38	32	1	37	32	1
2	32	3	2	32	2	2	32	2
40	32	3	39	32	3	38	32	2
2	33	0	2	33	0	2	32	3
41	33	1	40	33	1	39	33	0
2	33	2	2	33	1	2	33	1
42	33	3	41	33	2	40	33	2
2	33	3	2	33	3	2	33	3
43	34	0	42	34	0	41	34	0
2	34	1	2	34	1	2	34	0
44	34	2	43	34	2	42	34	1
2	34	3	2	34	2	2	34	2
45	34	3	44	34	3	43	34	3
2	35	0	2	35	0	2	35	0
46	35	1	45	35	1	44	35	0
2	35	2	2	35	1	2	35	1
47	35	2	46	35	2	45	35	2
2	35	3	2	35	3	2	35	3
48	36	0	47	36	0	46	36	0
2	36	1	2	36	1	2	36	0
49	36	2	48	36	1	47	36	1
2	36	2	2	36	2	2	36	2
50	36	3	49	36	3	48	36	3
2	37	0	2	37	0	2	36	3
51	37	0	50	37	0	49	37	0
2	37	1	2	37	1	2	37	1
52	37	2	51	37	2	50	37	2
2	37	3	2	37	3	2	37	2
53	37	3	52	37	3	51	37	3
2	38	0	2	38	0	2	38	0
54	38	1	53	38	1	52	38	1
			2	38	1	2	38	1
			54	38	2	53	38	2
						2	38	3
						54	39	0
$27\frac{1}{2}$ Sqr.			$28\frac{1}{2}$ Sqr.			$29\frac{1}{2}$ Sqr.		
28	27	3	$28\frac{1}{2}$ Sqr.			29	28	3
2	28	0	2	28	1	2	29	0
29	28	1						
2	28	2						
30	28	3	29	28	2			
2	20	0	2	28	3			

30	29	1	30	29	2	31	30	1
2	29	2	2	29	3	2	30	2
31	29	3	31	30	0	32	30	3
2	30	0	2	30	1	2	31	0
32	30	1	32	30	2	33	31	1
2	30	2	2	30	3	2	31	2
33	30	3	33	31	0	34	31	3
2	31	0	2	31	1	2	32	0
34	31	1	34	31	2	35	32	0
2	31	1	2	31	3	2	32	1
35	31	2	35	31	3	36	32	2
2	31	3	2	32	0	2	32	3
36	32	0	36	32	1	37	33	0
2	32	1	2	32	2	2	33	1
37	32	2	37	32	3	38	33	2
2	32	3	2	33	0	2	33	3
38	33	0	3	33	1	39	34	0
2	33	0	2	33	2	2	34	1
39	33	1	39	33	3	40	34	1
2	33	2	2	33	3	2	34	2
40	33	3	40	34	0	41	34	3
2	34	0	2	34	1	2	35	0
41	34	1	41	34	2	42	35	1
2	34	2	2	34	3	2	35	2
42	34	2	42	35	0	43	35	2
2	34	3	2	35	0	2	35	3
43	35	0	43	35	1	44	36	0
2	35	1	2	35	2	2	36	1
44	35	2	44	35	3	45	36	2
2	35	2	2	36	0	2	36	3
45	35	3	45	36	0	46	36	3
2	36	0	2	36	1	2	37	0
46	36	1	46	36	2	47	37	1
2	36	2	2	36	3	2	37	2
47	36	2	47	37	0	48	37	3
2	36	3	2	37	0	2	37	3
48	37	0	48	37	1	49	38	0
2	37	1	2	37	2	2	38	1
49	37	1	49	37	3	50	38	2
2	37	2	2	38	0	2	38	2
50	37	3	50	38	0	51	38	3
2	38	0	2	38	1	2	39	0
51	38	0	51	38	2	52	39	1
2	38	1	2	38	3	2	39	1
52	38	2	52	38	3	53	39	2
2	38	3	2	39	0	2	39	3
53	38	3	53	39	1	54	40	0
2	39	0	2	39	2			
54	39	1	54	39	2			

32	31	0	34	32	1	36	33	2
2	31	1	2	32	2	2	33	3
33	31	2	35	32	3	37	33	3
2	31	3	2	33	0	2	34	0
34	32	0	36	33	1	38	34	1
2	32	1	2	33	1	2	34	2
35	32	2	37	33	2	39	34	3
2	32	3	2	33	3	2	35	0
36	32	3	38	34	0	40	35	1
2	33	0	2	34	1	2	35	2
37	33	1	39	34	2	41	35	3
2	33	2	2	34	3	2	35	3
38	33	3	40	35	0	42	36	0
2	34	0	2	35	1	2	36	1
39	34	1	41	35	1	43	36	2
2	34	2	2	35	2	2	36	3
40	34	3	42	35	3	44	37	0
2	34	3	2	36	0	2	37	1
41	35	0	43	36	1	45	37	1
2	35	1	2	36	2	2	37	2
42	35	2	44	36	3	46	37	3
2	35	3	2	36	3	2	38	0
43	36	0	45	37	0	47	38	1
2	36	0	2	37	1	2	38	1
44	36	1	46	37	2	48	38	2
2	36	2	2	37	3	2	38	3
45	36	3	47	37	3	49	39	0
2	37	0	2	38	0	2	39	1
46	37	1	48	38	1	50	39	1
2	37	1	2	38	2	2	39	2
47	37	2	49	38	3	51	39	3
2	37	3	2	38	3	2	40	0
48	38	0	50	39	0	52	40	1
2	38	1	2	39	1	2	40	1
49	38	1	51	39	2	53	40	2
2	38	2	2	39	2	2	40	3
50	38	3	52	39	3	54	41	0
2	39	0	2	40	0	<hr/>		
51	39	0	53	40	1	31 $\frac{1}{2}$ Sqr.		
2	39	1	2	40	2	32	31	3
52	39	2	54	40	2	2	32	0
2	39	3	<hr/>			33	32	1
53	39	3	31 ln. Sqr.			2	32	2
2	40	0	2	31	1	34	32	3
54	40	1	32	31	2	2	33	0
<hr/>			2	31	3	35	33	1
30 $\frac{1}{2}$ Sqr.			33	32	0	2	33	2
31	30	3	2	32	1	36	33	3
2	31	0	34	32	2	2	34	0
32	31	1	2	32	3	37	34	1
2	31	2	35	33	0	2	34	1
33	31	3	2	33	1	38	34	2
2	32	0	33	33	1	2	34	3

39	35	0	42	36	3	46	38	3
2	35	1	2	37	0	2	38	3
40	35	2	43	37	0	47	39	0
2	35	3	2	37	1	2	39	1
41	36	0	44	37	2	48	39	2
2	36	1	2	37	3	2	39	3
42	36	1	45	38	0	49	40	0
2	36	2	2	38	1	2	40	0
43	36	3	46	38	1	50	40	1
2	37	0	2	38	2	2	40	2
44	37	1	47	38	3	51	40	3
2	37	2	2	39	0	2	41	0
45	37	3	48	39	1	52	41	0
2	37	3	2	39	2	2	41	1
46	38	0	49	39	2	53	41	2
2	38	1	2	39	3	2	41	3
47	38	2	50	40	0	54	42	0
2	38	3	2	40	0			
48	39	0	51	40	1	33 In. Sqr.		
2	39	0	2	40	2	2	33	1
49	39	1	52	40	3	34	33	2
2	39	2	2	40	3	2	33	3
50	39	3	53	41	0	35	34	0
2	40	0	2	41	1	2	34	1
51	40	0	54	42	0	36	34	2
2	40	1	32 In. Sqr.			2	34	3
52	40	2	33	32	3	37	35	0
2	40	3	2	33	0	2	35	1
53	40	3	34	33	1	38	35	2
2	41	0	2	33	2	2	35	3
54	41	1	35	33	3	39	35	3
32 In. Sqr.			2	34	0	2	36	0
2	32	1	36	34	1	40	36	1
33	32	2	2	34	2	2	36	2
2	32	3	37	34	3	41	36	3
34	33	0	2	35	0	2	37	0
2	33	1	38	35	1	42	37	1
35	33	2	2	35	2	2	37	2
2	33	3	39	35	2	43	37	3
36	34	0	2	35	3	2	38	0
2	34	1	40	36	0	44	38	0
37	34	2	2	36	1	2	38	1
2	34	3	41	36	2	45	38	2
38	34	3	2	36	3	2	38	2
2	35	1	42	37	0	46	38	3
39	35	2	2	37	1	2	39	0
2	35	3	43	37	2	47	39	1
40	35	3	2	37		2	39	2
2	36	0	44	37	3	48	39	3
41	36	1	2	38	0	2	39	3
2	36	2	45	38	1	49	40	0
			2	38	2	2	40	1

50	40	2	34	In. Sqr.	40	37	1
2	40	3	2	34	1	2	2
51	40	3	35	34	2	41	37
2	41	0	2	34	3	2	37
52	41	1	3	35	0	42	38
2	41	1	2	35	1	2	38
53	41	2	37	35	2	43	38
2	41	3	2	35	2	2	38
54	42	0	38	35	3	44	39
			2	36	0	2	39
<u>33½ Sqr.</u>			39	36	1	45	39
			2	36	2	2	39
34	33	3	40	36	3	46	39
2	34	0	2	37	0	2	40
35	34	1	41	37	1	47	40
2	34	2	2	37	2	2	40
36	34	3	42	37	3	48	40
2	35	0	2	38	0	2	41
37	35	1	43	38	0	49	41
2	35	2	2	38	1	2	41
38	35	3	44	38	2	50	41
2	36	0	2	38	3	2	41
39	36	1	45	39	0	51	42
2	36	2	2	39	1	2	42
40	36	2	46	39	2	52	42
2	36	3	2	39	3	2	42
41	37	0	47	40	0	53	42
2	37	1	2	40	1	2	43
42	37	2	48	40	2	54	43
2	37	3	2	40	2	<u>35 In. Sqr.</u>	
43	38	0	49	40	3	2	35
2	38	1	2	41	0	36	35
44	38	2	50	41	1	2	35
2	38	2	2	41	2	37	36
45	38	3	51	41	3	2	36
2	39	0	2	41	3	38	36
46	39	1	52	42	0	2	36
2	39	2	2	42	1	39	37
47	39	3	53	42	2	2	37
2	40	0	2	42	3	40	37
48	40	0	54	42	3	2	37
2	40	1	<u>31½ Sqr.</u>		41	38	0
49	40	2	35	34	3	2	38
2	40	3	2	35	0	42	38
50	41	0	36	35	1	2	38
2	41	1	2	35	2	43	38
51	41	1	37	35	3	2	39
2	41	2	2	36	0	44	39
52	41	3	38	36	1	2	39
2	42	0	2	36	2	45	39
53	42	1	39	36	3	2	40
2	42	1	2	37	0	46	40
54	42	2				2	40

47	40	2	36ln. Sqr.			44	40	0
2	40	3	2	30	1	2	40	1
48	41	0	37	36	2	45	40	2
2	41	1	2	36	3	2	40	3
49	41	2	38	37	0	46	41	0
2	41	2	2	37	1	2	41	1
50	42	3	39	37	2	47	41	2
2	42	0	2	37	3	2	41	3
51	42	1	40	38	0	48	41	3
2	42	2	2	38	1	2	42	0
52	42	3	41	38	2	49	42	1
2	42	3	2	38	3	2	42	2
53	43	0	42	39	0	50	42	3
2	43	1	2	39	0	2	43	0
54	43	2	43	39	1	51	43	1
35½ Sqr.			2	39	2	2	43	1
56	35	3	44	39	3	52	43	2
2	36	0	2	40	0	2	43	3
37	36	1	45	40	1	53	44	0
2	36	2	2	40	2	2	44	0
38	36	3	46	40	3	54	44	1
2	37	0	2	41	0	37½ Sqr.		
39	37	1	47	41	1	2	37	1
2	37	2	2	41	1	38	37	2
40	37	3	48	41	2	2	37	3
2	38	0	2	41	3	39	38	0
41	38	1	49	42	0	2	38	1
2	38	2	2	42	1	40	38	2
42	38	2	50	42	2	2	38	3
2	38	3	2	42	3	41	39	0
43	39	0	51	42	3	2	39	1
2	39	1	2	43	0	42	39	2
44	39	2	52	43	1	2	39	3
2	39	3	2	43	2	43	40	0
45	40	0	53	43	3	2	40	0
2	40	1	2	44	0	44	40	1
46	40	2	54	44	0	2	40	2
2	40	2	36½ Sqr.			45	40	3
47	40	3	37	36	3	2	41	0
2	41	0	2	37	0	46	41	1
48	41	1	38	37	1	2	41	2
2	41	2	2	37	2	47	41	3
49	41	3	39	37	3	2	42	0
2	42	0	2	38	0	48	42	1
50	42	1	40	38	1	2	42	1
2	42	1	2	38	2	49	42	2
51	42	2	41	38	3	2	42	3
2	42	3	2	39	0	50	43	0
52	43	0	42	39	1	2	43	1
2	43	1	2	39	2	51	43	2
53	43	1	43	39	2	2	43	3
2	43	2	2	39	3	52	43	3
54	43	3	39	39	3	2	44	0

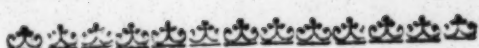
Unequal-Sided TIMBER, &c. 19

53	44	1	45	41	3	39 In Sqr.		
2	44	2	2	41	2	2	39	1
54	44	2	46	41	3	40	39	2
2	44	3	2	42	0	2	39	3
37½ Sqr.			47	42	1	41	40	0
38	37	3	2	42	1	2	40	1
2	38	0	48	42	2	42	40	2
39	38	1	2	42	3	2	40	3
2	38	2	49	43	0	43	41	0
40	38	3	2	43	1	2	41	1
2	39	0	50	43	2	44	41	2
41	39	1	2	43	3	2	41	3
2	39	2	51	44	0	45	42	0
42	39	3	2	44	0	2	42	0
2	40	0	52	44	1	46	42	1
43	40	1	2	44	2	2	42	2
2	40	2	53	44	3	47	42	3
44	40	3	2	45	0	2	43	0
2	40	3	54	45	1	48	43	1
45	41	0	38½ Sqr.			2	43	2
2	41	1	39	38	3	49	43	3
46	41	2	2	39	0	2	44	0
2	41	3	40	39	1	50	44	1
47	42	0	2	39	2	2	44	1
2	42	1	41	39	3	51	44	2
48	42	2	2	40	0	2	44	3
2	42	3	42	40	1	52	45	0
49	42	3	2	40	2	2	45	1
2	43	0	43	40	3	53	45	2
50	43	1	2	41	0	2	45	3
2	43	2	44	41	1	54	46	0
51	43	3	2	41	2	39½ Sqr.		
2	44	0	45	41	3	40	39	3
52	44	1	2	41	2	2	40	0
2	44	1	46	42	0	41	40	1
53	44	2	2	42	1	2	40	2
2	44	3	47	42	2	42	40	3
54	45	0	2	42	3	2	41	0
38 In. Sqr.			48	43	0	43	41	1
2	38	1	2	43	1	2	41	2
39	38	2	49	43	2	44	41	3
2	38	3	2	43	3	2	42	0
40	39	0	50	43	3	45	42	1
2	39	1	2	44	0	2	42	2
41	39	2	51	44	1	46	42	3
2	39	3	2	44	2	2	42	3
42	40	0	52	44	3	47	43	0
2	40	1	2	45	0	2	43	1
43	40	2	53	45	1	48	43	2
2	40	3	2	45	1	2	43	3
44	41	0	54	45	2	49	44	0
2	41	0				2	44	1

50	44	2	47	43	2	46	43	3
2	44	3	2	43	3	2	44	0
51	45	0	48	44	0	47	44	1
2	45	0	2	44	1	2	44	2
52	45	1	49	44	2	48	4	3
2	45	2	2	44	3	2	44	3
53	45	3	50	45	0	49	45	0
2	45	0	2	45	1	2	45	1
54	46	1	51	45	2	50	45	2
			2	45	3	2	45	3
40 In. Sqr.			52	46	0	51	46	0
2	40	1	2	46	0	2	46	1
41	40	2	53	46	1	52	46	2
2	40	3	2	46	2	2	46	3
42	41	0	54	46	3	53	47	0
2	41	1	41 In. Sqr.			2	47	0
43	41	2	2	41	1	54	47	1
2	41	3	42	41	2	42 In. Sqr.		
44	42	0	2	41	3	2	42	1
2	42	1	43	42	0	43	42	2
45	42	2	2	42	1	2	42	3
2	42	3	44	42	2	44	43	0
46	43	0	2	42	3	2	43	1
2	43	1	45	43	0	45	43	2
47	43	1	2	43	1	2	43	3
2	43	2	46	43	2	46	44	0
48	43	3	2	43	3	2	44	1
2	44	0	47	44	0	47	44	2
49	44	1	2	44	1	2	44	3
2	44	2	48	44	1	48	45	0
50	44	3	2	44	2	2	45	1
2	45	0	49	44	3	40	45	1
51	45	1	2	45	0	2	45	2
2	45	2	50	45	1	50	45	3
52	45	2	2	45	2	2	46	0
2	45	3	51	45	3	51	46	1
53	46	0	2	46	0	2	46	2
2	46	1	52	46	1	52	46	3
54	46	2	2	46	2	2	47	0
40 $\frac{1}{2}$ Sqr.			53	46	2	53	47	1
41	40	3	2	46	3	2	47	2
2	41	0	54	47	0	54	47	2
42	41	1	41 $\frac{1}{2}$ Sqr.			42 $\frac{1}{2}$ Sqr.		
2	41	2	42	41	3	43	42	3
43	41	3	2	42	0	2	43	0
2	42	0	43	42	1	44	43	1
44	42	1	2	42	2	2	43	2
2	42	2	44	42	3	45	43	3
45	42	3	2	43	0	2	44	0
2	43	0	45	43	1	46	44	1
46	43	1	2	43	2	2	44	2
2	43	2						

17	44	3	50	46	3	45 In. Sqr.		
2	45	0	2	46	3	2	45	1
48	45	1	51	47	0	4	45	2
2	45	2	2	47	1	2	45	3
49	45	2	52	47	2	47	46	0
2	45	3	2	47	3	2	46	1
50	46	0	53	48	0	48	46	2
2	46	1	2	48	1	2	46	3
51	46	2	54	48	2	47	47	0
2	46	3				2	47	1
52	47	0	44 In. Sqr.			50	47	2
2	47	1	2	44	1	2	47	3
53	47	2	45	44	2	51	48	0
2	47	3	2	44	3	2	48	1
54	48	0	46	45	0	52	48	1
43 In Sqr.			2	45	1	2	48	2
2	43	1	47	45	2	53	48	3
44	43	2	2	45	3	2	49	0
2	43	3	48	46	0	54	49	1
45	44	0	2	46	1	45 1/2 Sqr.		
2	44	1	49	46	2	46	45	3
46	44	2	2	46	3	2	46	0
2	44	3	50	47	0	47	46	1
47	45	0	2	47	1	2	46	2
2	45	1	51	47	1	48	46	3
48	45	2	2	47	2	2	47	0
2	45	3	52	47	3	49	47	1
49	46	0	2	48	0	2	47	2
2	46	1	53	48	1	50	47	3
50	46	1	2	48	2	2	48	0
2	46	2	54	48	3	51	48	1
51	46	3				2	48	2
2	47	0	44 1/2 Sqr.			52	48	3
52	47	1	45	44	3	2	48	3
2	47	2	2	45	0	53	49	0
53	47	3	46	45	1	2	49	1
2	48	0	2	45	2	54	49	2
54	48	1	47	45	3	46 In. Sqr.		
43 1/2 Sqr.			2	46	0	2	46	1
44	43	3	48	46	1	47	46	2
2	44	0	2	46	2	2	46	3
45	44	1	49	46	3	48	47	0
2	44	2	2	47	0	2	47	1
46	44	3	50	47	1	49	47	2
2	44	3	2	47	2	2	47	3
47	45	0	51	47	3	50	48	0
2	45	1	2	47	3	2	48	1
48	45	2	52	48	0	51	48	2
2	45	3	2	48	1	2	48	3
49	46	0	53	48	2	52	49	0
2	46	1	2	48	3	2	49	0
50	46	2	54	49	0			

53	49	1	49	48	2	53	51	2
²	49	2	²	48	3	²	51	3
54	49	3	50	49	0	54	52	0
<u>46½ Sqr.</u>			²	49	1	<u>50½ Sqr.</u>		
47	46	3	51	49	2	51	50	3
²	47	0	²	49	3	²	51	0
48	47	1	52	50	0	52	51	1
²	47	2	²	50	1	²	51	2
49	47	3	53	50	2	53	51	3
²	48	0	²	50	3	²	52	0
50	48	1	54	51	0	54	52	1
²	48	2	<u>48½ Sqr.</u>			<u>51 In Sqr.</u>		
51	48	3	49	48	3	²	51	1
²	49	0	²	49	0	52	51	2
52	49	1	50	49	1	²	51	3
²	49	2	²	49	2	53	52	0
53	49	3	51	49	3	²	52	1
²	49	3	²	50	0	54	52	2
54	50	0	52	50	1	<u>51½ Sqr.</u>		
<u>47 In. Sqr.</u>			²	50	2	52	51	3
²	47	1	53	50	3	²	52	0
48	47	2	²	51	0	53	52	1
²	47	3	54	51	1	²	52	2
49	48	0	<u>49 In. Sqr.</u>			54	52	3
²	48	1	²	49	1	<u>52 In. Sqr.</u>		
50	48	2	50	49	2	²	52	1
²	48	3	²	49	3	53	52	2
51	49	0	51	50	0	²	52	3
²	49	1	²	50	1	54	53	0
52	49	2	52	50	2	<u>52½ Sqr.</u>		
²	49	3	²	50	3	53	52	3
53	50	0	53	51	0	²	53	0
²	50	1	²	51	1	54	53	1
54	50	2	54	51	2	<u>53 In. Sqr.</u>		
<u>47½ Sqr.</u>			<u>49½ Sqr.</u>			²	53	1
48	47	3	50	49	3	54	53	2
²	48	0	²	50	0	<u>53½ Sqr.</u>		
49	48	1	51	50	1	54	53	3
²	48	2	²	50	2	<u>54 In. Sqr.</u>		
50	48	3	52	50	3			
²	49	0	²	51	0			
51	49	1	53	51	1			
²	49	2	²	51	2			
52	49	3	54	51	3			
²	50	0	<u>50 In. Sqr.</u>					
53	50	1	²	50	1			
²	50	2	51	50	2			
54	50	3	²	50	3			
<u>48 In. Sqr.</u>			52	51	0			
²	48	1	²	51	1			



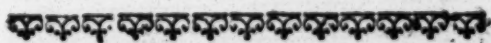
A NEW
T A B L E
O F
SOLID MEASURE,

Ready cast up,

Whereby the *Solid Content*, and consequently the *Value* of any Piece or Quantity of *Timber, Stone, &c.* may be found AT SIGHT, from 2 *Inches* to 54 *Inches*, the *Side* of the *Square*, (or *one Fourth* of the *Girt*;) and from *one Quarter* of a *Foot* to 45 *Feet* the *Length*:

And therefore, by *Addition* only, may serve to any greater *Square*, or *Length*, if there should ever be Occasion.

* * See this Table explained
on Page xxv.



Ft. long	Side 2 Inches.			Ft. long	Side 2 Inches.		
	ft.	in.	Pa.		ft.	in.	Pa.
1	0	0	4	1	0	0	5
2	0	0	8	2	0	0	10
3	0	1	0	3	0	1	3
4	0	1	4	4	0	1	8
5	0	1	8	5	0	2	1
6	0	2	0	6	0	2	6
7	0	2	4	7	0	2	11
8	0	2	8	8	0	3	4
9	0	3	0	9	0	3	9
10	0	3	4	10	0	4	2
11	0	3	8	11	0	4	7
12	0	4	0	12	0	5	0
13	0	4	4	13	0	5	5
14	0	4	8	14	0	5	10
15	0	5	0	15	0	6	3
16	0	5	4	16	0	6	9
17	0	5	8	17	0	7	2
18	0	6	0	18	0	7	7
19	0	6	4	19	0	8	0
20	0	6	8	20	0	8	5
21	0	7	0	21	0	8	10
22	0	7	4	22	0	9	3
23	0	7	8	23	0	9	8
24	0	8	0	24	0	10	1
25	0	8	4	25	0	10	6
26	0	8	8	26	0	10	11
27	0	9	0	27	0	11	4
28	0	9	4	28	0	11	9
29	0	9	8	29	1	0	2
30	0	10	0	30	1	0	7
31	0	10	4	31	1	1	0
32	0	10	8	32	1	1	6
33	0	11	0	33	1	1	11
34	0	11	4	34	1	2	4
35	0	11	8	35	1	2	9
36	1	0	0	36	1	3	2
37	1	0	4	37	1	3	7
38	1	0	8	38	1	4	0
39	1	1	0	39	1	4	5
40	1	1	4	40	1	4	10
41	1	1	8	41	1	5	3
42	1	2	0	42	1	5	8
43	1	2	4	43	1	6	1
44	1	2	8	44	1	6	6
45	1	3	0	45	1	6	11
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
1	0	0	1 0	1	0	0	1 3
2	0	0	2 0	2	0	0	2 6
3	0	0	3 0	3	0	0	3 9

Ft. long	Side 2 $\frac{1}{2}$			Ft. long	Side 2 $\frac{3}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	0	6	1	0	0	7
2	0	1	0	2	0	1	3
3	0	1	6	3	0	1	10
4	0	2	1	4	0	2	6
5	0	2	7	5	0	3	1
6	0	3	1	6	0	3	9
7	0	3	7	7	0	4	4
8	0	4	2	8	0	5	0
9	0	4	8	9	0	5	8
10	0	5	2	10	0	6	5
11	0	5	8	11	0	6	11
12	0	6	3	12	0	7	6
13	0	6	9	13	0	8	2
14	0	7	3	14	0	8	9
15	0	7	9	15	0	9	5
16	0	8	4	16	0	10	1
17	0	8	10	17	0	10	8
18	0	9	4	18	0	11	4
19	0	9	10	19	0	11	11
20	0	10	5	20	1	0	7
21	0	10	11	21	1	1	2
22	0	11	5	22	1	1	10
23	0	11	11	23	1	2	5
24	1	0	6	24	1	3	1
25	1	1	0	25	1	3	9
26	1	1	6	26	1	4	4
27	1	2	0	27	1	5	0
28	1	2	7	28	1	5	7
29	1	3	1	29	1	6	3
30	1	3	7	30	1	6	10
31	1	4	1	31	1	7	6
32	1	4	8	32	1	8	2
33	1	5	2	33	1	8	9
34	1	5	8	34	1	9	5
35	1	6	2	35	1	10	0
36	1	6	9	36	1	10	8
37	1	7	3	37	1	11	3
38	1	7	9	38	1	11	4
39	1	8	3	39	2	0	6
40	1	8	10	40	2	1	2
41	1	9	4	41	2	1	10
42	1	9	10	42	2	2	5
43	1	10	4	43	2	3	1
44	1	10	11	44	2	3	8
45	1	11	5	45	2	4	4
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	0	1 6	$\frac{1}{4}$	0	0	1 9
$\frac{1}{2}$	0	0	3 0	$\frac{1}{2}$	0	0	3 6
$\frac{3}{4}$	0	0	4 6	$\frac{3}{4}$	0	0	5 3

Side Ft. long	Side Inches.			Side Ft. long	Side 3 4		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	0	9	1	0	0	10
2	0	1	6	2	0	1	9
3	0	2	3	3	0	2	7
4	0	3	0	4	0	3	6
5	0	3	9	5	0	4	4
6	0	4	6	6	0	5	3
7	0	5	3	7	0	6	1
8	0	6	0	8	0	7	0
9	0	6	9	9	0	7	11
10	0	7	6	10	0	8	9
11	0	8	3	11	0	9	8
12	0	9	0	12	0	10	6
13	0	9	9	13	0	11	5
14	0	10	6	14	1	0	3
15	0	11	3	15	1	1	2
16	1	0	0	16	1	2	1
17	1	0	9	17	1	2	11
18	1	1	6	18	1	3	10
19	1	2	3	19	1	4	8
20	1	3	0	20	1	5	7
21	1	3	9	21	1	6	5
22	1	4	6	22	1	7	4
23	1	5	3	23	1	8	2
24	1	6	0	24	1	9	1
25	1	6	9	25	1	10	0
26	1	7	6	26	1	10	10
27	1	8	3	27	1	11	9
28	1	9	0	28	2	0	7
29	1	9	9	29	2	1	6
30	1	10	6	30	2	2	4
31	1	11	3	31	2	3	3
32	2	0	0	32	2	4	2
33	2	0	9	33	2	5	0
34	2	1	6	34	2	5	11
35	2	2	3	35	2	6	9
36	2	3	0	36	2	7	8
37	2	3	9	37	2	8	6
38	2	4	6	38	2	9	5
39	2	5	3	39	2	10	3
40	2	6	0	40	2	11	2
41	2	6	9	41	3	0	1
42	2	7	6	42	3	0	11
43	2	8	3	43	3	1	10
44	2	9	0	44	3	2	8
45	2	9	9	45	3	3	7

Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	0	2 3	$\frac{1}{4}$	0	0	2 6
$\frac{1}{2}$	0	0	4 6	$\frac{1}{2}$	0	0	5 0
$\frac{3}{4}$	0	0	6 9	$\frac{3}{4}$	0	0	7 6

Ft. long	Side $3\frac{1}{2}$			Ft. long	Side $3\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	1	0	1	0	1	2
2	0	2	0	2	0	2	4
3	0	3	0	3	0	3	6
4	0	4	1	4	0	4	8
5	0	5	1	5	0	5	10
6	0	6	1	6	0	7	0
7	0	7	1	7	0	8	2
8	0	8	2	8	0	9	4
9	0	9	2	9	0	10	6
10	0	10	2	10	0	11	8
11	0	11	2	11	1	0	10
12	1	0	3	12	1	2	0
13	1	1	3	13	1	3	2
14	1	2	3	14	1	4	4
15	1	3	3	15	1	5	6
16	1	4	4	16	1	6	9
17	1	5	4	17	1	7	11
18	1	6	4	18	1	9	1
19	1	7	4	19	1	10	3
20	1	8	5	20	1	11	5
21	1	9	5	21	2	0	7
22	1	10	5	22	2	1	9
23	1	11	5	23	2	2	11
24	2	0	6	24	2	4	1
25	2	1	6	25	2	5	3
26	2	2	6	26	2	6	5
27	2	3	6	27	2	7	7
28	2	4	7	28	2	8	9
29	2	5	7	29	2	9	11
30	2	6	7	30	2	11	1
31	2	7	7	31	3	0	3
32	2	8	8	32	3	1	6
33	2	9	8	33	3	2	8
34	2	10	8	34	3	3	10
35	2	11	8	35	3	5	0
36	3	0	9	36	3	6	2
37	3	1	9	37	3	7	4
38	3	2	9	38	3	8	6
39	3	3	9	39	3	9	8
40	3	4	10	40	3	10	10
41	3	5	10	41	4	0	0
42	3	6	10	42	4	1	2
43	3	7	10	43	4	2	4
44	3	8	11	44	4	3	6
45	3	9	11	45	4	4	8
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	0	3 0	$\frac{1}{4}$	0	0	3 6
$\frac{1}{2}$	0	0	6 0	$\frac{1}{2}$	0	0	7 0
$\frac{3}{4}$	0	0	9 0	$\frac{3}{4}$	0	0	10 6

Ft. long	Side 4 Inches.			Ft. long	Side 4 $\frac{1}{4}$		
	Fr.	In.	Pa.		Fr.	In.	Pa.
1	0	1	4	1	0	1	6
2	0	2	8	2	0	3	0
3	0	4	0	3	0	4	6
4	0	5	4	4	0	6	0
5	0	6	8	5	0	7	6
6	0	8	0	6	0	9	0
7	0	9	4	7	0	10	6
8	0	10	8	8	1	0	0
9	1	0	0	9	1	1	6
10	1	1	4	10	1	3	0
11	1	2	8	11	1	4	6
12	1	4	0	12	1	6	0
13	1	5	4	13	1	7	6
14	1	6	8	14	1	9	0
15	1	8	0	15	1	10	6
16	1	9	4	16	2	0	1
17	1	10	8	17	2	1	7
18	2	0	0	18	2	3	1
19	2	1	4	19	2	4	7
20	2	2	8	20	2	6	1
21	2	4	0	21	2	7	7
22	2	5	4	22	2	9	1
23	2	6	8	23	2	10	7
24	2	8	0	24	3	0	1
25	2	9	4	25	3	1	7
26	2	10	8	26	3	3	1
27	3	0	0	27	3	4	7
28	3	1	4	28	3	6	1
29	3	2	8	29	3	7	7
30	3	4	0	30	3	9	1
31	3	5	4	31	3	10	7
32	3	6	8	32	4	0	2
33	3	8	0	33	4	1	8
34	3	9	4	34	4	3	2
35	3	10	8	35	4	4	8
36	4	0	0	36	4	6	2
37	4	1	4	37	4	7	8
38	4	2	8	38	4	9	2
39	4	4	0	39	4	10	8
40	4	5	4	40	5	0	2
41	4	6	8	41	5	1	8
42	4	8	0	42	5	3	2
43	4	9	4	43	5	4	8
44	4	10	8	44	5	6	2
45	5	0	0	45	5	7	8

Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	0	4 0	$\frac{1}{4}$	0	0	4 6
$\frac{1}{2}$	0	0	8 0	$\frac{1}{2}$	0	0	9 0
$\frac{3}{4}$	0	1	0 0	$\frac{3}{4}$	0	1	1 6

Ft. long.	Side 4 $\frac{1}{2}$			Ft. long.	Side 4 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	1	8	1	0	1	10
2	0	3	4	2	0	3	9
3	0	5	0	3	0	5	7
4	0	6	9	4	0	7	6
5	0	8	5	5	0	9	4
6	0	10	1	6	0	11	3
7	0	11	9	7	1	1	1
8	1	1	6	8	1	3	0
9	1	2	2	9	1	4	11
10	1	4	10	10	1	6	9
11	1	6	6	11	1	8	8
12	1	8	3	12	1	10	6
13	1	9	11	13	2	0	5
14	1	11	7	14	2	2	3
15	2	1	3	15	2	4	2
16	2	3	0	16	2	6	1
17	2	4	8	17	2	7	11
18	2	6	4	18	2	9	10
19	2	8	0	19	2	11	8
20	2	9	9	20	3	1	7
21	2	11	5	21	3	3	5
22	3	1	1	22	3	5	4
23	3	2	9	23	3	7	2
24	3	4	6	24	3	9	1
25	3	6	2	25	3	11	0
26	3	7	10	26	4	0	10
27	3	9	6	27	4	2	9
28	3	11	3	28	4	4	7
29	4	0	11	29	4	6	6
30	4	2	7	30	4	8	4
31	4	4	3	31	4	10	3
32	4	6	0	32	5	0	2
33	4	7	8	33	5	2	0
34	4	9	4	34	5	3	11
35	4	11	0	35	5	5	9
36	5	0	9	36	5	7	8
37	5	2	5	37	5	9	6
38	5	4	1	38	5	11	5
39	5	5	9	39	6	1	3
40	5	7	6	40	6	3	2
41	5	9	2	41	6	5	1
42	5	10	10	42	6	6	11
43	6	0	6	43	6	8	10
44	6	2	3	44	6	10	8
45	6	3	11	45	7	3	7
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	0	5 0	$\frac{1}{4}$	0	0	5 6
$\frac{1}{2}$	0	0	10 0	$\frac{1}{2}$	0	0	11 0
$\frac{3}{4}$	0	1	3 0	$\frac{3}{4}$	0	1	4 6

Ft. long	Side 5 Inches.			Ft. long	Side 5 1/2		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	2	1	1	0	2	3
2	0	4	2	2	0	4	7
3	0	6	3	3	0	6	10
4	0	8	4	4	0	9	2
5	0	10	5	5	0	11	5
6	1	0	6	6	1	1	9
7	1	2	7	7	1	4	0
8	1	4	8	8	1	6	4
9	1	6	9	9	1	8	8
10	1	8	10	10	1	10	11
11	1	10	11	11	2	1	3
12	2	1	0	12	2	3	6
13	2	3	1	13	2	5	10
14	2	5	2	14	2	8	1
15	2	7	3	15	2	10	5
16	2	9	4	16	3	0	9
17	2	11	5	17	3	3	0
18	3	1	6	18	3	5	4
19	3	3	7	19	3	7	7
20	3	5	8	20	3	9	11
21	3	7	9	21	4	0	2
22	3	9	10	22	4	2	6
23	3	11	11	23	4	4	9
24	4	2	0	24	4	7	1
25	4	4	1	25	4	9	5
26	4	6	2	26	4	11	8
27	4	8	3	27	5	2	0
28	4	10	4	28	5	4	3
29	5	0	5	29	5	6	7
30	5	2	6	30	5	8	10
31	5	4	7	31	5	11	2
32	5	6	8	32	6	1	6
33	5	8	9	33	6	3	9
34	5	10	10	34	6	6	1
35	6	0	11	35	6	8	4
36	6	3	0	36	6	10	8
37	6	5	1	37	7	0	11
38	6	7	2	38	7	3	3
39	6	9	3	39	7	5	6
40	6	11	4	40	7	7	10
41	7	1	5	41	7	10	2
42	7	3	6	42	8	0	5
43	7	5	7	43	8	2	9
44	7	7	8	44	8	5	0
45	7	9	9	45	8	7	4
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
1/4	0	0	6 3	1/4	0	0	6 9
1/2	0	1	0 6	1/2	0	1	1 6
3/4	0	1	6 9	3/4	0	1	8 3

Ft. long.	Side 5 $\frac{1}{2}$			Ft. long.	Side 5 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	2	6	1	0	2	9
2	0	5	0	2	0	5	6
3	0	7	6	3	0	8	3
4	0	10	1	4	0	11	0
5	1	0	7	5	1	1	9
6	1	3	1	6	1	4	6
7	1	5	7	7	1	7	3
8	1	8	2	8	1	10	0
9	1	10	8	9	2	0	9
10	2	1	2	10	2	3	6
11	2	3	8	11	2	6	3
12	2	6	3	12	2	9	0
13	2	8	9	13	2	11	9
14	2	11	3	14	3	2	6
15	3	1	9	15	3	5	3
16	3	4	4	16	3	8	1
17	3	6	10	17	3	10	10
18	3	9	4	18	4	1	7
19	3	11	10	19	4	4	4
20	4	2	5	20	4	7	1
21	4	4	11	21	4	9	10
22	4	7	5	22	5	0	7
23	4	9	11	23	5	3	4
24	5	0	6	24	5	6	1
25	5	3	0	25	5	8	10
26	5	5	6	26	5	11	7
27	5	8	0	27	6	2	4
28	5	10	6	28	6	5	1
29	6	1	1	29	6	7	10
30	6	3	7	30	6	10	7
31	6	6	1	31	7	1	4
32	6	8	8	32	7	4	2
33	6	11	2	33	7	6	11
34	7	1	8	34	7	9	8
35	7	4	2	35	8	0	5
36	7	6	9	36	8	3	2
37	7	9	3	37	8	5	11
38	7	11	9	38	8	8	8
39	8	2	3	39	8	11	5
40	8	4	10	40	9	2	2
41	8	7	4	41	9	4	11
42	8	9	10	42	9	7	8
43	9	0	4	43	9	10	5
44	9	2	11	44	10	1	2
45	9	5	5	45	10	3	11
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
1	0	0	7 0	1	0	0	8 3
2	0	1	3 0	2	0	1	4 6
3	0	1	10 6	3	0	2	0 0

Ft. long	Side 6 Inches.			Ft. long	Side 6 $\frac{1}{4}$		
	Ft.	in.	Pa.		Ft.	In.	Pa.
1	0	3	0	1	0	3	3
2	0	6	0	2	0	6	6
3	0	9	0	3	0	9	9
4	1	0	0	4	1	1	0
5	1	3	0	5	1	4	3
6	1	6	0	6	1	7	6
7	1	9	0	7	1	10	9
8	2	0	0	8	2	2	0
9	2	3	0	9	2	5	3
10	2	6	0	10	2	8	6
11	2	9	0	11	2	11	9
12	3	0	0	12	3	3	0
13	3	3	0	13	3	6	3
14	3	6	0	14	3	9	6
15	3	9	0	15	4	0	9
16	4	0	0	16	4	4	1
17	4	3	0	17	4	7	4
18	4	6	0	18	4	10	7
19	4	9	0	19	5	1	10
20	5	0	0	20	5	5	1
21	5	3	0	21	5	8	4
22	5	6	0	22	5	11	7
23	5	9	0	23	6	2	10
24	6	0	0	24	6	6	1
25	6	3	0	25	6	9	4
26	6	6	0	26	7	0	7
27	6	9	0	27	7	3	10
28	7	0	0	28	7	7	1
29	7	3	0	29	7	10	4
30	7	6	0	30	8	1	7
31	7	9	0	31	8	4	10
32	8	0	0	32	8	8	2
33	8	3	0	33	8	11	5
34	8	6	0	34	9	2	8
35	8	9	0	35	9	5	11
36	9	0	0	36	9	9	2
37	9	3	0	37	10	0	5
38	9	6	0	38	10	3	8
39	9	9	0	39	10	6	11
40	10	0	0	40	10	10	2
41	10	3	0	41	11	1	5
42	10	6	0	42	11	4	8
43	10	9	0	43	11	7	11
44	11	0	0	44	11	11	2
45	11	3	0	45	12	2	5
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	0	9 0	$\frac{1}{4}$	0	0	9 9
$\frac{1}{2}$	0	1	6 0	$\frac{1}{2}$	0	1	7 6
$\frac{3}{4}$	0	2	3 0	$\frac{3}{4}$	0	2	5 3

Ft. long	Side 6 $\frac{1}{2}$			Ft. long	Side 6 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	3	6	1	0	3	9
2	0	7	0	2	0	7	7
3	0	10	6	3	0	11	4
4	1	2	1	4	1	3	2
5	1	5	7	5	1	6	11
6	1	9	1	6	1	10	9
7	2	0	7	7	2	2	6
8	2	4	2	8	2	6	4
9	2	7	8	9	2	10	2
10	2	11	2	10	3	1	11
11	3	2	8	11	3	5	9
12	3	6	3	12	3	9	6
13	3	9	9	13	4	1	4
14	4	1	3	14	4	5	1
15	4	4	9	15	4	8	11
16	4	8	4	16	5	0	9
17	4	11	10	17	5	4	6
18	5	3	4	18	5	8	4
19	5	6	10	19	6	0	1
20	5	10	5	20	6	3	11
21	6	1	11	21	6	7	8
22	6	5	5	22	6	11	6
23	6	8	11	23	7	3	3
24	7	0	6	24	7	7	1
25	7	4	0	25	7	10	11
26	7	7	6	26	8	2	8
27	7	11	0	27	8	6	6
28	8	2	7	28	8	10	3
29	8	6	1	29	9	2	1
30	8	9	7	30	9	5	10
31	9	1	1	31	9	9	8
32	9	4	8	32	10	1	6
33	9	8	2	33	10	5	5
34	9	11	8	34	10	9	1
35	10	3	2	35	11	0	10
36	10	6	9	36	11	4	8
37	10	10	3	37	11	8	5
38	11	1	9	38	12	0	3
39	11	5	3	39	12	4	0
40	11	8	10	40	12	7	10
41	12	0	4	41	12	11	8
42	12	3	10	42	13	3	5
43	12	7	4	43	13	7	3
44	12	10	11	44	13	11	0
45	13	2	5	45	14	2	10
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	0	10 6	$\frac{1}{4}$	0	0	11 3
$\frac{2}{4}$	0	1	9 0	$\frac{2}{4}$	0	1	10 6
$\frac{3}{4}$	0	2	7 6	$\frac{3}{4}$	0	2	9 0

Side 7 Inches.				Side 7 $\frac{1}{2}$			
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	4	1	1	0	4	4
2	0	8	2	2	0	8	9
3	1	0	3	3	1	1	1
4	1	4	4	4	1	5	6
5	1	8	5	5	1	9	10
6	2	0	6	6	2	2	3
7	2	4	7	7	2	6	7
8	2	8	8	8	2	10	0
9	3	0	9	9	3	3	5
10	3	4	10	10	3	7	9
11	3	8	11	11	4	0	2
12	4	1	0	12	4	4	6
13	4	5	1	13	4	8	11
14	4	9	2	14	5	1	3
15	5	1	3	15	5	5	8
16	5	5	4	16	5	10	1
17	5	9	5	17	6	2	5
18	6	1	6	18	6	6	10
19	6	5	7	19	6	11	2
20	6	9	8	20	7	3	7
21	7	1	9	21	7	7	11
22	7	5	10	22	8	0	4
23	7	9	11	23	8	4	8
24	8	2	0	24	8	9	1
25	8	6	1	25	9	1	6
26	8	10	2	26	9	5	10
27	9	2	3	27	9	10	3
28	9	6	4	28	10	2	7
29	9	10	5	29	10	7	0
30	10	2	6	30	10	11	4
31	10	6	7	31	11	3	9
32	10	10	8	32	11	8	2
33	11	2	9	33	12	0	6
34	11	6	10	34	12	4	11
35	11	10	11	35	12	9	3
36	12	3	0	36	13	1	8
37	12	7	1	37	13	6	0
38	12	11	2	38	13	10	5
39	13	3	3	39	14	2	9
40	13	7	4	40	14	7	2
41	13	11	5	41	14	11	7
42	14	3	6	42	15	3	11
43	14	7	7	43	15	8	4
44	14	11	8	44	16	0	8
45	15	3	9	45	16	5	1
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	1	0	1	0	1	1
2	0	2	0	2	0	2	2
3	0	3	0	3	0	3	3

Ft. long	Side 7 $\frac{1}{2}$			Ft. long	Side 7 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	4	8	1	0	5	0
2	0	9	4	2	0	10	0
3	1	2	0	3	1	3	0
4	1	6	9	4	1	8	0
5	1	11	5	5	2	1	0
6	2	4	1	6	2	6	0
7	2	8	9	7	2	11	0
8	3	1	6	8	3	4	0
9	3	6	2	9	3	9	0
10	3	10	10	10	4	2	0
11	4	3	6	11	4	7	0
12	4	8	3	12	5	0	0
13	5	0	11	13	5	5	0
14	5	5	7	14	5	10	0
15	5	10	3	15	6	3	0
16	6	3	0	16	6	8	1
17	6	7	8	17	7	1	1
18	7	0	4	18	7	6	1
19	7	5	0	19	7	11	1
20	7	9	9	20	8	4	1
21	8	2	5	21	8	9	1
22	8	7	1	22	9	2	1
23	8	11	9	23	9	7	1
24	9	4	6	24	10	0	1
25	9	9	2	25	10	5	1
26	10	1	10	26	10	10	1
27	10	6	6	27	11	3	1
28	10	11	3	28	11	8	1
29	11	3	11	29	12	1	1
30	11	8	7	30	12	6	1
31	12	1	3	31	12	11	1
32	12	6	0	32	13	4	2
33	12	10	8	33	13	9	2
34	13	3	4	34	14	2	2
35	13	8	0	35	14	7	2
36	14	0	9	36	15	0	2
37	14	5	5	37	15	5	2
38	14	10	1	38	15	10	2
39	15	2	9	39	16	3	2
40	15	7	6	40	16	8	2
41	16	0	2	41	17	1	2
42	16	4	10	42	17	6	2
43	16	9	6	43	17	11	2
44	17	2	3	44	18	4	2
45	17	6	11	45	18	9	2
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	1	2 0	$\frac{1}{4}$	0	1	3 0
$\frac{2}{4}$	0	2	4 0	$\frac{2}{4}$	0	3	6 0
$\frac{3}{4}$	0	3	6 0	$\frac{3}{4}$	0	3	9 0

Fl. long	Side 8 Inches.			Fl. long	Side 8 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	5	4	1	0	5	8
2	0	10	8	2	0	11	4
3	1	4	0	3	1	5	0
4	1	9	4	4	1	10	8
5	2	2	8	5	2	4	4
6	2	8	0	6	2	10	0
7	3	1	4	7	3	3	8
8	3	6	8	8	3	9	4
9	4	0	0	9	4	3	0
10	4	5	4	10	4	8	8
11	4	10	8	11	5	2	4
12	5	4	0	12	5	8	0
13	5	9	4	13	6	1	8
14	6	2	8	14	6	7	4
15	6	8	0	15	7	1	0
16	7	1	4	16	7	6	9
17	7	6	8	17	8	0	5
18	8	0	0	18	8	6	1
19	8	5	4	19	8	11	9
20	8	10	8	20	9	5	5
21	9	4	0	21	9	11	1
22	9	9	4	22	10	4	9
23	10	2	8	23	10	10	5
24	10	8	0	24	11	4	1
25	11	1	4	25	11	9	9
26	11	6	8	26	12	3	5
27	12	0	0	27	12	9	1
28	12	5	4	28	13	2	9
29	12	10	8	29	13	8	5
30	13	4	0	30	14	2	1
31	13	9	4	31	14	7	9
32	14	2	8	32	15	1	6
33	14	8	0	33	15	7	2
34	15	1	4	34	16	0	10
35	15	6	8	35	16	6	6
36	16	0	0	36	17	0	2
37	16	5	4	37	17	5	10
38	16	10	8	38	17	11	6
39	17	4	0	39	18	5	2
40	17	9	4	40	18	10	10
41	18	2	8	41	19	4	6
42	18	8	0	42	19	10	2
43	19	1	4	43	20	3	10
44	19	6	8	44	20	9	6
45	20	0	0	45	21	3	2
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	1	4 0	$\frac{1}{4}$	0	1	5 0
$\frac{1}{2}$	0	2	1 0	$\frac{1}{2}$	0	2	10 0
$\frac{3}{4}$	0	4	0 0	$\frac{3}{4}$	0	4	3 0

Ft. long	Side 8 $\frac{1}{2}$			Ft. long	Side 8 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	6	10	1	0	6	4
2	1	0	0	2	1	0	9
3	1	6	0	3	1	7	1
4	2	0	1	4	2	1	6
5	2	6	1	5	2	7	10
6	3	0	1	6	3	2	3
7	3	6	1	7	3	8	7
8	4	0	2	8	4	3	0
9	4	6	2	9	4	9	5
10	5	0	2	10	5	3	9
11	5	6	2	11	5	10	2
12	6	0	3	12	6	4	6
13	6	6	3	13	6	10	11
14	7	0	3	14	7	5	3
15	7	6	3	15	7	11	8
16	8	0	4	16	8	6	1
17	8	6	4	17	9	0	5
18	9	0	4	18	9	6	10
19	9	6	4	19	10	1	2
20	10	0	5	20	10	7	7
21	10	6	5	21	11	1	11
22	11	0	5	22	11	8	4
23	11	6	5	23	12	2	8
24	12	0	6	24	12	9	1
25	12	6	6	25	13	3	6
26	13	0	6	26	13	9	10
27	13	6	6	27	14	4	3
28	14	0	7	28	14	10	7
29	14	6	7	29	15	5	0
30	15	0	7	30	15	11	4
31	15	6	7	31	16	5	9
32	16	0	8	32	17	0	2
33	16	6	8	33	17	6	6
34	17	0	8	34	18	0	11
35	17	6	8	35	18	7	3
36	18	0	9	36	19	1	8
37	18	6	9	37	19	8	0
38	19	0	9	38	20	2	5
39	19	6	9	39	20	8	9
40	20	0	10	40	21	3	2
41	20	6	10	41	21	9	7
42	21	0	10	42	22	3	11
43	21	6	10	43	22	10	4
44	22	0	11	44	23	4	8
45	22	6	11	45	23	11	1
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa S.		Ft.	In.	Pa S.
$\frac{1}{4}$	0	1	6 0	$\frac{1}{4}$	0	1	7 0
$\frac{1}{2}$	0	3	0 0	$\frac{1}{2}$	0	3	2 0
$\frac{3}{4}$	0	4	6 0	$\frac{3}{4}$	0	4	9 0

Side 9 Inches	Side 9 1/2			Side 9 3/4	Side 10		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	6	9	1	0	7	1
2	1	1	6	2	1	2	3
3	1	8	3	3	1	9	4
4	2	3	0	4	2	4	6
5	2	9	9	5	2	11	7
6	3	4	6	6	3	6	9
7	3	11	3	7	4	1	10
8	4	6	0	8	4	9	0
9	5	0	9	9	5	4	2
10	5	7	6	10	5	11	3
11	6	2	3	11	6	6	5
12	6	9	0	12	7	1	6
13	7	3	9	13	7	8	8
14	7	10	6	14	8	3	9
15	8	5	3	15	8	10	11
16	9	0	0	16	9	6	1
17	9	6	9	17	10	1	2
18	10	1	6	18	10	8	4
19	10	8	3	19	11	3	5
20	11	3	0	20	11	10	7
21	11	9	9	21	12	5	8
22	12	4	6	22	13	0	10
23	12	11	3	23	13	7	11
24	13	6	0	24	14	3	1
25	14	0	9	25	14	10	3
26	14	7	6	26	15	5	4
27	15	2	3	27	16	0	6
28	15	9	0	28	16	7	7
29	16	3	0	29	17	2	9
30	16	10	6	30	17	9	10
31	17	5	3	31	18	5	0
32	18	0	0	32	19	0	2
33	18	6	9	33	19	7	3
34	19	1	6	34	20	2	5
35	19	8	3	35	20	9	6
36	20	3	0	36	21	4	8
37	20	9	9	37	21	11	9
38	21	4	6	38	22	6	11
39	21	11	3	39	23	2	0
40	22	6	0	40	23	9	2
41	23	0	9	41	24	4	4
42	23	7	6	42	24	11	5
43	24	2	3	43	25	6	7
44	24	9	0	44	25	1	8
45	25	3	9	45	26	8	10

Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
1/4	0	1	8 3	1/4	0	1	9 3
1/2	0	3	4 6	1/2	0	3	6 6
3/4	0	5	0 9	3/4	0	5	3 0

OF SOLID MEASURE. . 39

Side 9 $\frac{1}{2}$				Side 9 $\frac{1}{2}$					
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	0	7	6	1	0	7	11		
2	1	3	0	2	1	3	10		
3	1	10	6	3	1	11	9		
4	2	6	1	4	2	7	8		
5	3	1	7	5	3	3	7		
6	3	9	1	6	3	11	6		
7	4	4	7	7	4	7	5		
8	5	0	2	8	5	3	4		
9	5	7	8	9	5	11	3		
10	6	3	2	10	6	7	2		
11	6	10	8	11	7	3	1		
12	7	6	3	12	7	11	0		
13	8	1	9	13	8	6	11		
14	8	9	3	14	9	2	10		
15	9	4	9	15	9	10	9		
16	10	0	4	16	10	6	9		
17	10	7	10	17	11	2	8		
18	11	3	4	18	11	10	7		
19	11	10	10	19	12	6	6		
20	12	6	5	20	13	2	5		
21	13	1	11	21	13	10	4		
22	13	9	5	22	14	6	3		
23	14	4	11	23	15	2	2		
24	15	0	6	24	15	10	1		
25	15	8	0	25	16	6	0		
26	16	3	6	26	17	1	11		
27	16	11	0	27	17	9	10		
28	17	6	7	28	18	5	9		
29	18	2	1	29	19	1	8		
30	18	9	7	30	19	9	7		
31	19	5	1	31	20	5	6		
32	20	0	8	32	21	1	6		
33	20	8	2	33	21	9	5		
34	21	3	8	34	22	5	4		
35	21	11	2	35	23	1	3		
36	22	6	9	36	23	9	2		
37	23	2	3	37	24	5	1		
38	23	9	9	38	25	1	0		
39	24	5	3	39	25	8	11		
40	25	0	10	40	26	4	10		
41	25	8	4	41	27	0	9		
42	26	3	10	42	27	8	8		
43	26	11	4	43	28	4	7		
44	27	6	11	44	29	0	6		
45	28	2	5	45	29	8	5		
Quarters of a Foot.				Quarters of a Foot.					
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
	0	1	10	6		0	1	11	9
	0	3	9	0		0	3	11	6
	0	5	7	6		0	5	11	3

Ft. long	Side 10 Inch.			Ft. long	Side 10 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	8	4	1	0	8	9
2	1	4	8	2	1	5	9
3	2	1	0	3	2	2	3
4	2	9	4	4	2	11	0
5	3	5	8	5	3	7	9
6	4	2	0	6	4	4	6
7	4	10	4	7	5	1	3
8	5	6	8	8	5	10	0
9	6	3	0	9	6	6	9
10	6	11	4	10	7	3	6
11	7	7	8	11	8	0	3
12	8	4	0	12	8	9	0
13	9	0	4	13	9	5	9
14	9	8	8	14	10	2	6
15	10	5	0	15	10	11	3
16	11	1	4	16	11	8	1
17	11	9	8	17	12	4	10
18	12	6	0	18	13	1	7
19	13	2	4	19	13	10	4
20	13	10	8	20	14	7	1
21	14	7	0	21	15	3	10
22	15	3	4	22	16	0	7
23	15	11	8	23	16	9	4
24	16	8	0	24	17	6	1
25	17	4	4	25	18	2	10
26	18	0	8	26	18	11	7
27	18	9	0	27	19	8	4
28	19	5	4	28	20	5	1
29	20	1	8	29	21	1	10
30	20	10	0	30	21	10	7
31	21	6	4	31	22	7	4
32	22	2	8	32	23	4	2
33	22	11	0	33	24	0	11
34	23	7	4	34	24	9	8
35	24	3	8	35	25	6	5
36	25	0	0	36	26	3	2
37	25	8	4	37	26	11	11
38	26	4	8	38	27	8	8
39	27	1	0	39	28	5	5
40	27	9	4	40	29	2	2
41	28	5	8	41	29	10	11
42	29	2	0	42	30	7	8
43	29	10	4	43	31	4	5
44	30	6	8	44	32	1	2
45	31	3	0	45	32	9	11
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	2	1 0	$\frac{1}{4}$	0	2	2 3
$\frac{1}{2}$	0	4	2 0	$\frac{1}{2}$	0	4	4 6
$\frac{3}{4}$	0	6	3 0	$\frac{3}{4}$	0	6	6 9

Ft. long	Side 11 $\frac{1}{2}$			Ft. long	Side 11 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	11	0	1	0	11	6
2	1	10	0	2	1	11	0
3	2	9	0	3	2	10	6
4	3	8	1	4	3	10	0
5	4	7	1	5	4	9	6
6	5	6	1	6	5	9	0
7	6	5	1	7	6	8	6
8	7	4	2	8	7	8	0
9	8	3	2	9	8	7	6
10	9	2	2	10	9	7	0
11	10	1	2	11	10	6	6
12	11	0	3	12	11	6	0
13	11	11	3	13	12	5	6
14	12	10	3	14	13	5	0
15	13	9	3	15	14	4	6
16	14	8	4	16	15	4	1
17	15	7	4	17	16	3	7
18	16	6	4	18	17	3	1
19	17	5	4	19	18	2	7
20	18	4	5	20	19	2	1
21	19	3	5	21	20	1	7
22	20	2	5	22	21	1	1
23	21	1	5	23	22	0	7
24	22	0	6	24	23	0	1
25	22	11	6	25	23	11	7
26	23	10	6	26	24	11	1
27	24	9	6	27	25	10	7
28	25	8	7	28	26	10	1
29	26	7	7	29	27	9	7
30	27	6	7	30	28	9	1
31	28	5	7	31	29	8	7
32	29	4	8	32	30	8	2
33	30	3	8	33	31	7	8
34	31	2	8	34	32	7	2
35	32	1	8	35	33	6	8
36	33	0	9	36	34	6	2
37	33	11	9	37	35	5	8
38	34	10	9	38	36	5	2
39	35	9	9	39	37	4	8
40	36	8	10	40	38	4	2
41	37	7	10	41	39	3	8
42	38	6	10	42	40	3	2
43	39	5	10	43	41	2	8
44	40	4	11	44	42	2	2
45	41	3	11	45	43	1	8
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45	0	2	9 0	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45	0	2	10 6
	0	5	6 0		0	5	9 0
	0	8	3 0		0	8	7 6

Side 12 Inch.	Side 12 Inch.			Side 12 1/4	Side 12 1/4		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	0	0	1	1	0	6
2	2	0	0	2	2	1	0
3	3	0	0	3	3	1	6
4	4	0	0	4	4	2	0
5	5	0	0	5	5	2	6
6	6	0	0	6	6	3	0
7	7	0	0	7	7	3	6
8	8	0	0	8	8	4	0
9	9	0	0	9	9	4	6
10	10	0	0	10	10	5	0
11	11	0	0	11	11	5	6
12	12	0	0	12	12	6	0
13	13	0	0	13	13	6	6
14	14	0	0	14	14	7	0
15	15	0	0	15	15	7	6
16	16	0	0	16	16	8	1
17	17	0	0	17	17	8	7
18	18	0	0	18	18	9	1
19	19	0	0	19	19	9	7
20	20	0	0	20	20	10	1
21	21	0	0	21	21	10	7
22	22	0	0	22	22	11	1
23	23	0	0	23	23	11	7
24	24	0	0	24	25	0	1
25	25	0	0	25	26	0	7
26	26	0	0	26	27	1	1
27	27	0	0	27	28	1	7
28	28	0	0	28	29	2	1
29	29	0	0	29	30	2	7
30	30	0	0	30	31	3	1
31	31	0	0	31	32	3	8
32	32	0	0	32	33	4	2
33	33	0	0	33	34	4	8
34	34	0	0	34	35	5	2
35	35	0	0	35	36	5	8
36	36	0	0	36	37	6	2
37	37	0	0	37	38	6	8
38	38	0	0	38	39	7	2
39	39	0	0	39	40	7	8
40	40	0	0	40	41	8	2
41	41	0	0	41	42	8	8
42	42	0	0	42	43	9	2
43	43	0	0	43	44	9	8
44	44	0	0	44	45	10	2
45	45	0	0	45	46	10	8
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
1/4	0	3	0 0	1/4	0	3	1 6
1/2	0	6	0 0	1/2	0	6	3 0
3/4	0	9	0 0	3/4	0	9	4 6

Ft. long.	Side 12 $\frac{1}{2}$			Ft. long.	Side 12 $\frac{3}{4}$		
	Fr.	In.	Pa.		Ft.	In.	Pa.
1	1	1	0	1	1	1	6
2	2	2	0	2	2	3	1
3	3	3	0	3	3	4	7
4	4	4	1	4	4	6	2
5	5	5	1	5	5	7	8
6	6	6	1	6	6	9	3
7	7	7	1	7	7	10	9
8	8	8	2	8	9	0	4
9	9	9	2	9	10	1	11
10	10	10	2	10	11	3	5
11	11	11	2	11	12	5	0
12	13	0	3	12	13	6	6
13	14	1	3	13	14	8	1
14	15	2	3	14	15	9	7
15	16	3	3	15	16	11	2
16	17	4	4	16	18	0	9
17	18	5	4	17	19	2	3
18	19	6	4	18	20	3	10
19	20	7	4	19	21	5	4
20	21	8	5	20	22	6	11
21	22	9	5	21	23	8	5
22	23	10	5	22	24	10	0
23	24	11	5	23	25	11	6
24	25	0	6	24	27	1	1
25	27	1	6	25	28	2	8
26	28	2	6	26	29	4	2
27	29	3	6	27	30	5	9
28	30	4	7	28	31	7	3
29	31	5	7	29	32	8	10
30	32	6	7	30	33	10	4
31	33	7	7	31	34	11	11
32	34	8	8	32	36	1	6
33	35	9	8	33	37	4	0
34	36	10	8	34	38	4	7
35	37	11	8	35	39	6	1
36	39	0	9	36	40	7	8
37	40	1	9	37	41	9	2
38	41	2	9	38	42	10	9
39	42	3	9	39	44	0	3
40	43	4	10	40	45	1	10
41	44	5	10	41	46	3	5
42	45	6	10	42	47	4	11
43	46	7	10	43	48	6	6
44	47	8	11	44	49	8	0
45	48	9	11	45	50	9	7
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	3	3 0	$\frac{1}{4}$	0	3	4 6
$\frac{1}{2}$	0	6	6 0	$\frac{1}{2}$	0	6	9 0
$\frac{3}{4}$	0	9	9 0	$\frac{3}{4}$	0	10	1 6

Ft. long	Side 13 Inch.			Ft. long	Side 13 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	2	1	1	1	2	7
2	2	4	2	2	2	5	3
3	3	6	3	3	3	7	10
4	4	8	4	4	4	10	6
5	5	10	5	5	6	1	1
6	7	0	6	6	7	3	9
7	8	2	7	7	8	6	4
8	9	4	8	8	9	9	0
9	10	6	9	9	10	11	8
10	11	8	10	10	12	2	3
11	12	10	11	11	13	4	11
12	14	1	0	12	14	7	6
13	15	3	1	13	15	10	2
14	16	5	2	14	17	0	9
15	17	7	3	15	18	3	5
16	18	9	4	16	19	6	1
17	19	11	5	17	20	8	8
18	21	1	6	18	21	11	4
19	22	3	7	19	23	1	11
20	23	5	8	20	24	4	7
21	24	7	9	21	25	7	2
22	25	9	10	22	26	9	10
23	26	11	11	23	28	0	5
24	28	2	0	24	29	3	1
25	29	4	1	25	30	5	9
26	30	6	2	26	31	8	4
27	31	8	3	27	32	11	0
28	32	10	4	28	34	1	7
29	34	0	5	29	35	4	3
30	35	2	6	30	36	6	10
31	36	4	7	31	37	9	6
32	37	6	8	32	39	0	2
33	38	8	9	33	40	2	9
34	39	10	10	34	41	5	5
35	41	0	11	35	42	8	0
36	42	3	0	36	43	10	8
37	43	5	1	37	45	1	3
38	44	7	2	38	46	3	11
39	45	9	3	39	47	6	6
40	46	11	4	40	48	9	2
41	48	1	5	41	49	11	10
42	49	3	6	42	51	3	5
43	50	5	7	43	52	5	1
44	51	7	8	44	53	7	8
45	52	9	9	45	54	10	4

Quarters of a Foot.

	Ft.	In.	Pa.	S.
$\frac{1}{4}$	0	3	6	3
$\frac{1}{2}$	0	7	0	6
$\frac{3}{4}$	0	10	6	9

Quarters of a Foot.

	Ft.	In.	Pa.	S.
$\frac{1}{4}$	0	3	7	3
$\frac{1}{2}$	0	7	3	6
$\frac{3}{4}$	0	10	11	9

Ft. long	Side 14 $\frac{1}{2}$			Ft. long	Side 14 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	5	6	1	1	6	1
2	2	11	0	2	3	0	3
3	4	4	6	3	4	6	4
4	5	10	1	4	6	0	6
5	7	3	7	5	7	6	7
6	8	9	1	6	9	0	9
7	10	2	7	7	10	6	10
8	11	8	2	8	12	1	0
9	13	1	8	9	13	7	2
10	14	7	2	10	15	1	3
11	16	0	8	11	16	7	5
12	17	6	3	12	18	1	6
13	18	11	9	13	19	7	8
14	20	5	3	14	21	1	9
15	21	10	9	15	22	7	11
16	23	4	4	16	24	2	1
17	24	9	10	17	25	8	2
18	26	3	4	18	27	2	4
19	27	8	10	19	28	8	5
20	29	2	5	20	30	2	7
21	30	7	11	21	31	8	8
22	32	1	5	22	33	2	10
23	33	6	11	23	34	8	11
24	35	0	6	24	36	3	1
25	36	6	0	25	37	9	3
26	37	11	6	26	39	3	4
27	39	5	0	27	40	9	6
28	40	10	7	28	42	3	7
29	42	4	1	29	43	9	9
30	43	9	7	30	45	3	10
31	45	3	1	31	46	10	0
32	46	8	8	32	48	4	2
33	48	2	2	33	49	10	3
34	49	7	8	34	51	4	5
35	51	1	2	35	52	10	6
36	52	6	9	36	54	4	8
37	54	0	3	37	55	10	9
38	55	5	9	38	57	4	11
39	56	11	3	39	58	11	0
40	58	4	10	40	60	5	2
41	59	10	4	41	61	11	4
42	61	3	10	42	63	5	5
43	62	9	4	43	64	11	7
44	64	2	11	44	66	5	8
45	65	8	5	45	67	11	10
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	4	4 6	$\frac{1}{4}$	0	4	6 3
$\frac{1}{2}$	0	8	9 0	$\frac{1}{2}$	0	9	0 6
$\frac{3}{4}$	1	1	1 6	$\frac{3}{4}$	1	1	6 0

Ft. long	Side 13 Inch.			Ft. long	Side 13 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	2	1	1	1	2	7
2	2	4	2	2	2	5	3
3	3	6	3	3	3	7	10
4	4	8	4	4	4	10	6
5	5	10	5	5	6	1	1
6	7	0	6	6	7	3	9
7	8	2	7	7	8	6	4
8	9	4	8	8	9	9	0
9	10	6	9	9	10	11	8
10	11	8	10	10	12	2	3
11	12	10	11	11	13	4	11
12	14	1	0	12	14	7	6
13	15	3	1	13	15	10	2
14	16	5	2	14	17	0	9
15	17	7	3	15	18	3	5
16	18	9	4	16	19	6	1
17	19	11	5	17	20	8	8
18	21	1	6	18	21	11	4
19	22	3	7	19	23	1	11
20	23	5	8	20	24	4	7
21	24	7	9	21	25	7	2
22	25	9	10	22	26	9	10
23	26	11	11	23	28	0	5
24	28	2	0	24	29	3	1
25	29	4	1	25	30	5	9
26	30	6	2	26	31	8	4
27	31	8	3	27	32	11	0
28	32	10	4	28	34	1	7
29	34	0	5	29	35	4	3
30	35	2	6	30	36	6	10
31	36	4	7	31	37	9	6
32	37	6	8	32	39	0	2
33	38	8	9	33	40	2	9
34	39	10	10	34	41	5	5
35	41	0	11	35	42	8	0
36	42	3	0	36	43	10	8
37	43	5	1	37	45	1	3
38	44	7	2	38	46	3	11
39	45	9	3	39	47	6	6
40	46	11	4	40	48	9	2
41	48	1	5	41	49	11	10
42	49	3	6	42	51	3	5
43	50	5	7	43	52	5	1
44	51	7	8	44	53	7	8
45	52	9	9	45	54	10	4
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	3	6 3	$\frac{1}{4}$	0	3	7 3
$\frac{1}{2}$	0	7	0 6	$\frac{1}{2}$	0	7	3 6
$\frac{3}{4}$	0	10	6 9	$\frac{3}{4}$	0	10	11 9

Ft. long	Side 14 $\frac{1}{2}$			Ft. long	Side 14 $\frac{1}{4}$		
	Ft.	in.	Pa.		Ft.	in.	Pa.
1	1	5	6	1	1	6	1
2	2	11	0	2	3	0	3
3	4	4	6	3	4	6	4
4	5	10	1	4	6	0	6
5	7	3	7	5	7	6	7
6	8	9	1	6	9	0	9
7	10	2	7	7	10	6	10
8	11	8	2	8	12	1	0
9	13	1	8	9	13	7	2
10	14	7	2	10	15	1	3
11	16	0	8	11	16	7	5
12	17	6	3	12	18	1	6
13	18	11	9	13	19	7	8
14	20	5	3	14	21	1	9
15	21	10	9	15	22	7	11
16	23	4	4	16	24	2	1
17	24	9	10	17	25	8	2
18	26	3	4	18	27	2	4
19	27	8	10	19	28	8	5
20	29	2	5	20	30	2	7
21	30	7	11	21	31	8	8
22	32	1	5	22	33	2	10
23	33	6	11	23	34	8	11
24	35	0	6	24	36	3	1
25	36	6	0	25	37	9	3
26	37	11	6	26	39	3	4
27	39	5	0	27	40	9	6
28	40	10	7	28	42	3	7
29	42	4	1	29	43	9	9
30	43	9	7	30	45	3	10
31	45	3	1	31	46	10	0
32	46	8	8	32	48	4	2
33	48	2	2	33	49	10	3
34	49	7	8	34	51	4	5
35	51	1	2	35	52	10	6
36	52	6	9	36	54	4	8
37	54	0	3	37	55	10	9
38	55	5	9	38	57	4	11
39	56	11	3	39	58	11	0
40	58	4	10	40	60	5	2
41	59	10	4	41	61	11	4
42	61	3	10	42	63	5	5
43	62	9	4	43	64	11	7
44	64	2	11	44	66	5	8
45	65	8	5	45	67	11	10
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	in.	Pa. S.		Ft.	in.	Pa. S.
1	0	4	4 6	1	0	4	6 3
2	0	8	9 0	2	0	9	0 6
3	1	1	1 6	3	1	1	6 0

Ft. long.	Side 15 Inch.			Ft. long.	Side 15 f		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	6	9	1	1	7	4
2	3	1	6	2	3	2	9
3	4	8	3	3	4	10	1
4	6	3	0	4	6	5	6
5	7	9	9	5	8	0	10
6	9	4	6	6	9	8	3
7	10	11	3	7	11	3	7
8	12	6	0	8	12	11	0
9	14	0	9	9	14	6	5
10	15	7	6	10	16	1	9
11	17	2	3	11	17	9	2
12	18	9	0	12	19	4	6
13	20	3	9	13	20	11	11
14	21	10	6	14	22	7	3
15	23	5	3	15	24	2	8
16	25	0	0	16	25	10	1
17	26	6	9	17	27	5	5
18	28	1	6	18	29	0	10
19	29	8	3	19	30	8	2
20	31	3	0	20	32	3	7
21	32	9	9	21	33	10	11
22	34	4	6	22	35	6	4
23	35	11	3	23	37	1	8
24	37	6	0	24	38	9	1
25	39	0	9	25	40	4	6
26	40	7	6	26	41	11	10
27	42	2	3	27	43	7	3
28	43	9	0	28	45	2	7
29	45	3	9	29	46	10	0
30	46	10	6	30	48	5	4
31	48	5	3	31	50	0	9
32	50	0	0	32	51	8	2
33	51	6	9	33	53	3	6
34	53	1	6	34	54	10	11
35	54	8	3	35	56	6	3
36	56	3	0	36	58	1	8
37	57	9	9	37	59	9	0
38	59	4	6	38	61	4	5
39	60	11	3	39	62	11	9
40	62	6	0	40	64	7	2
41	64	0	9	41	66	2	7
42	65	7	6	42	67	9	11
43	67	2	3	43	69	5	4
44	68	9	0	44	71	0	8
45	70	3	9	45	72	8	1
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. &.		Ft.	In.	Pa. &.
1/4	0	4	8 3	1/4	0	4	10 0
1/2	0	9	4 6	1/2	0	9	8 0
3/4	1	2	0 9	3/4	1	2	6 0

Ft. long	Side 15 1/2			Ft. long	Side 15 1/2		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	8	0	1	1	8	8
2	3	4	0	2	3	5	4
3	5	0	0	3	5	2	0
4	6	8	1	4	6	10	8
5	8	4	1	5	8	7	4
6	10	0	1	6	10	4	0
7	11	8	1	7	12	0	8
8	13	4	2	8	13	9	4
9	15	0	2	9	15	6	0
10	16	8	2	10	17	2	8
11	18	4	2	11	18	11	4
12	20	0	3	12	20	8	0
13	21	8	3	13	22	4	8
14	23	4	3	14	24	1	4
15	25	0	3	15	25	10	0
16	26	8	4	16	27	6	9
17	28	4	4	17	29	3	5
18	30	0	4	18	31	0	1
19	31	8	4	19	32	8	9
20	33	4	5	20	34	5	5
21	35	0	5	21	36	2	1
22	36	8	5	22	37	10	9
23	38	4	5	23	39	7	5
24	40	0	6	24	41	4	1
25	41	8	6	25	43	0	9
26	43	4	6	26	44	9	5
27	45	0	6	27	46	6	1
28	46	8	7	28	48	2	9
29	48	4	7	29	49	11	5
30	50	0	7	30	51	8	1
31	51	8	7	31	53	4	9
32	53	4	8	32	55	1	6
33	55	0	8	33	56	10	2
34	56	8	8	34	58	6	10
35	58	4	8	35	60	3	6
36	60	0	9	36	62	0	2
37	61	8	9	37	63	8	10
38	63	4	9	38	65	5	6
39	65	0	9	39	67	2	2
40	66	8	10	40	68	10	10
41	68	4	10	41	70	7	6
42	70	0	10	42	72	4	2
43	71	8	10	43	74	0	10
44	73	4	11	44	75	9	6
45	75	0	11	45	77	6	2
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
1/4	0	5	0 0	1/4	0	5	2 0
1/2	0	10	0 0	1/2	0	10	4 0
3/4	1	3	0 0	3/4	1	3	6 0

Ft. long.	Side 15 Inch.			Ft. long.	Side 15 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	6	9	1	1	7	4
2	3	1	6	2	3	2	9
3	4	8	3	3	4	10	1
4	6	3	0	4	6	5	6
5	7	9	9	5	8	0	10
6	9	4	6	6	9	8	3
7	10	11	3	7	11	3	7
8	12	6	0	8	12	11	0
9	14	0	9	9	14	6	5
10	15	7	6	10	16	1	9
11	17	2	3	11	17	9	2
12	18	9	0	12	19	4	6
13	20	3	9	13	20	11	11
14	21	10	6	14	22	7	3
15	23	5	3	15	24	2	8
16	25	0	0	16	25	10	1
17	26	6	9	17	27	5	5
18	28	1	6	18	29	0	10
19	29	8	3	19	30	8	2
20	31	3	0	20	32	3	7
21	32	9	9	21	33	10	11
22	34	4	6	22	35	6	4
23	35	11	3	23	37	1	8
24	37	6	0	24	38	9	1
25	39	0	9	25	40	4	6
26	40	7	6	26	41	11	10
27	42	2	3	27	43	7	3
28	43	9	0	28	45	2	7
29	45	3	9	29	46	10	0
30	46	10	6	30	48	5	4
31	48	5	3	31	50	0	9
32	50	0	0	32	51	8	2
33	51	6	9	33	53	3	6
34	53	1	6	34	54	10	11
35	54	8	3	35	56	6	3
36	56	3	0	36	58	1	8
37	57	9	9	37	59	9	0
38	59	4	6	38	61	4	5
39	60	11	3	39	62	11	9
40	62	6	0	40	64	7	2
41	64	0	9	41	66	2	7
42	65	7	6	42	67	9	11
43	67	2	3	43	69	5	4
44	68	9	0	44	71	0	8
45	70	3	9	45	72	8	1
Quarters of a Foot.				Quarters of a Foot.			
Inches	Ft. In. Pa. S.			Inches	Ft. In. Pa. S.		
	0	4	8 3		0	4	10 0
	0	9	4 6		0	9	8 0
Inches	Ft. In. Pa. S.			Inches	Ft. In. Pa. S.		
	1	2	0 9		1	2	6 0

Ft. long	Side 15 $\frac{1}{2}$			Ft. long	Side 15 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	8	0	1	1	8	8
2	3	4	0	2	3	5	4
3	5	0	0	3	5	2	0
4	6	8	1	4	6	10	8
5	8	4	1	5	8	7	4
6	10	0	1	6	10	4	0
7	11	8	1	7	12	0	8
8	13	4	2	8	13	9	4
9	15	0	2	9	15	6	0
10	16	8	2	10	17	2	8
11	18	4	2	11	18	11	4
12	20	0	3	12	20	8	0
13	21	8	3	13	22	4	8
14	23	4	3	14	24	1	4
15	25	0	3	15	25	10	0
16	26	8	4	16	27	6	9
17	28	4	4	17	29	3	5
18	30	0	4	18	31	0	1
19	31	8	4	19	32	8	9
20	33	4	5	20	34	5	5
21	35	0	5	21	36	2	1
22	36	8	5	22	37	10	9
23	38	4	5	23	39	7	5
24	40	0	6	24	41	4	1
25	41	8	6	25	43	0	9
26	43	4	6	26	44	9	5
27	45	0	6	27	46	6	1
28	46	8	7	28	48	2	9
29	48	4	7	29	49	11	5
30	50	0	7	30	51	8	1
31	51	8	7	31	53	4	9
32	53	4	8	32	55	1	6
33	55	0	8	33	56	10	2
34	56	8	8	34	58	6	10
35	58	4	8	35	60	3	6
36	60	0	9	36	62	0	2
37	61	8	9	37	63	8	10
38	63	4	9	38	65	5	6
39	65	0	9	39	67	2	2
40	66	8	10	40	68	10	10
41	68	4	10	41	70	7	6
42	70	0	10	42	72	4	2
43	71	8	10	43	74	0	10
44	73	4	11	44	75	9	6
45	75	0	11	45	77	6	2
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
	0	5	0 0		0	5	2 0
	0	10	0 0		0	10	4 0
	1	3	0 0		1	3	6 0

Ft. long	Side 16 Inch.			Ft. long	Side 16 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	9	4	1	1	10	0
2	3	6	8	2	3	8	0
3	5	4	0	3	5	6	0
4	7	1	4	4	7	4	0
5	8	10	8	5	9	2	0
6	10	8	0	6	11	0	0
7	12	5	4	7	12	10	0
8	14	2	8	8	14	8	0
9	16	0	0	9	16	6	0
10	17	9	4	10	18	4	0
11	19	6	8	11	20	2	0
12	21	4	0	12	22	0	0
13	23	1	4	13	23	10	0
14	24	10	8	14	25	8	0
15	26	8	0	15	27	6	0
16	28	5	4	16	29	4	1
17	30	2	8	17	31	2	1
18	32	0	0	18	33	0	1
19	33	9	4	19	34	10	1
20	35	6	8	20	36	8	1
21	37	4	0	21	38	6	1
22	39	1	4	22	40	4	1
23	40	10	8	23	42	2	1
24	42	8	0	24	44	0	1
25	44	5	4	25	45	10	1
26	46	2	8	26	47	8	1
27	48	0	0	27	49	6	1
28	49	9	4	28	51	4	1
29	51	6	8	29	53	2	1
30	53	4	0	30	55	0	1
31	55	1	4	31	56	10	1
32	56	10	8	32	58	8	2
33	58	8	0	33	60	6	2
34	60	5	4	34	62	4	2
35	62	2	8	35	64	2	2
36	64	0	0	36	66	0	2
37	65	9	4	37	67	10	2
38	67	6	8	38	69	8	2
39	69	4	0	39	71	6	2
40	71	1	4	40	73	4	2
41	72	10	8	41	75	2	2
42	74	8	0	42	77	0	2
43	76	4	4	43	78	10	2
44	78	2	8	44	80	8	2
45	80	0	0	45	82	6	2
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	5	4 0	$\frac{1}{4}$	0	5	6 0
$\frac{1}{2}$	0	10	8 0	$\frac{1}{2}$	0	11	0 0
$\frac{3}{4}$	1	4	0 0	$\frac{3}{4}$	1	4	6 0

Ft. long	Side 16 $\frac{1}{2}$			Ft. long	Side 16 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	10	8	1	1	11	4
2	3	9	4	2	3	10	9
3	5	8	0	3	5	10	1
4	7	6	9	4	7	9	6
5	9	5	5	5	9	8	10
6	11	4	1	6	11	8	3
7	13	2	9	7	13	7	7
8	15	1	6	8	15	7	0
9	17	0	2	9	17	6	5
10	18	10	10	10	19	5	9
11	20	9	6	11	21	5	2
12	22	8	3	12	23	4	6
13	24	6	11	13	25	3	11
14	26	5	7	14	27	3	3
15	28	4	3	15	29	2	8
16	30	3	0	16	31	2	1
17	32	1	8	17	33	1	5
18	34	0	3	18	35	0	10
19	35	11	0	19	37	0	2
20	37	9	9	20	38	11	7
21	39	8	5	21	40	10	11
22	41	7	1	22	42	10	4
23	43	5	9	23	44	9	8
24	45	4	6	24	46	9	1
25	47	3	2	25	48	8	6
26	49	1	10	26	50	7	10
27	51	0	6	27	52	7	3
28	52	11	3	28	54	6	7
29	54	9	11	29	56	6	0
30	56	8	7	30	58	5	4
31	58	7	3	31	60	4	9
32	60	6	0	32	62	4	2
33	62	4	8	33	64	3	6
34	64	3	4	34	66	2	11
35	66	2	0	35	68	2	3
36	68	0	9	36	70	1	8
37	69	11	5	37	72	1	0
38	71	10	1	38	74	0	5
39	73	8	9	39	75	11	9
40	75	7	6	40	77	11	2
41	77	6	2	41	79	10	7
42	79	4	10	42	81	9	11
43	81	3	6	43	83	9	4
44	83	2	3	44	85	8	8
45	85	0	11	45	87	8	1
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	5	8 0	$\frac{1}{4}$	0	5	10 0
$\frac{1}{2}$	0	11	4 0	$\frac{1}{2}$	0	11	8 0
$\frac{3}{4}$	1	5	0 0	$\frac{3}{4}$	1	5	6 0

Ft. long	Side 17 Inch.			Ft. long	Side 17 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	2	0	1	1	2	0	0
2	4	0	2	2	4	1	7
3	6	0	3	3	6	2	4
4	8	0	4	4	8	3	2
5	10	0	5	5	10	3	11
6	12	0	6	6	12	4	9
7	14	0	7	7	14	5	6
8	16	0	8	8	16	6	4
9	18	0	9	9	18	7	2
10	20	0	10	10	20	7	11
11	22	0	11	11	22	8	9
12	24	1	0	12	24	9	6
13	26	1	1	13	26	10	4
14	28	1	2	14	28	11	1
15	30	1	3	15	30	11	11
16	32	1	4	16	33	0	9
17	34	1	5	17	35	1	6
18	36	1	6	18	37	2	4
19	38	1	7	19	39	3	1
20	40	1	8	20	41	3	11
21	42	1	9	21	43	4	8
22	44	1	10	22	45	5	6
23	46	1	11	23	47	6	3
24	48	2	0	24	49	7	1
25	50	2	1	25	51	7	11
26	52	2	2	26	53	8	8
27	54	2	3	27	55	9	6
28	56	2	4	28	57	10	3
29	58	2	5	29	59	11	1
30	60	2	6	30	61	11	10
31	62	2	7	31	64	0	8
32	64	2	8	32	66	1	6
33	66	2	9	33	68	2	3
34	68	2	10	34	70	3	1
35	70	2	11	35	72	3	10
36	72	3	0	36	74	4	8
37	74	3	1	37	76	5	5
38	76	3	2	38	78	6	3
39	78	3	3	39	80	7	0
40	80	3	4	40	82	7	10
41	82	3	5	41	84	8	8
42	84	3	6	42	86	9	5
43	86	3	7	43	88	10	3
44	88	3	8	44	90	11	0
45	90	3	9	45	92	11	10
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	6	0 3	$\frac{1}{4}$	0	6	2 3
$\frac{1}{2}$	1	0	0 6	$\frac{1}{2}$	1	0	4 6
$\frac{3}{4}$	1	6	0 9	$\frac{3}{4}$	1	6	6 9

Ft. long	Side 1 7 $\frac{1}{2}$			Ft. long	Side 1 7 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	2	1	0	1	2	2	3
2	4	3	0	2	4	4	6
3	6	4	6	3	6	6	9
4	8	6	1	4	8	9	0
5	10	7	7	5	10	11	3
6	12	9	1	6	13	1	6
7	14	10	7	7	15	3	9
8	17	0	2	8	17	6	0
9	19	1	8	9	19	8	3
10	21	3	2	10	21	10	6
11	23	4	8	11	24	0	9
12	25	6	3	12	26	3	0
13	27	7	9	13	28	5	3
14	29	9	3	14	30	7	6
15	31	10	9	15	32	9	9
16	34	0	4	16	35	0	1
17	36	1	10	17	37	2	4
18	38	3	4	18	39	4	7
19	40	4	10	19	41	6	10
20	42	6	5	20	43	9	1
21	44	7	11	21	45	11	4
22	46	9	5	22	48	1	7
23	48	10	11	23	50	3	10
24	51	0	6	24	52	6	1
25	53	2	0	25	54	8	4
26	55	3	6	26	56	10	7
27	57	5	0	27	59	0	10
28	59	6	7	28	61	3	1
29	61	8	1	29	63	5	4
30	63	9	7	30	65	7	7
31	65	11	1	31	67	9	10
32	68	0	8	32	70	0	2
33	70	2	2	33	72	2	5
34	72	3	8	34	74	4	8
35	74	5	2	35	76	0	11
36	76	6	9	36	78	9	2
37	78	8	3	37	80	11	5
38	80	9	9	38	83	1	8
39	82	11	3	39	85	3	11
40	85	0	10	40	87	6	2
41	87	2	4	41	89	8	5
42	89	3	10	42	91	10	8
43	91	5	4	43	94	0	11
44	93	6	11	44	96	3	2
45	95	8	5	45	98	5	5
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
1	0	6	4 6	1	0	6	6 9
2	1	0	9 0	2	1	1	1 6
3	1	7	1 6	3	1	7	8 3

Ft. long	Side 18 Inch.			Ft. long	Side 18½		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	2	3	0	1	2	3	9
2	4	6	0	2	4	7	6
3	6	9	0	3	6	11	3
4	9	0	0	4	9	3	0
5	11	3	0	5	11	6	9
6	13	6	0	6	13	10	6
7	15	9	0	7	16	2	3
8	18	0	0	8	18	6	0
9	20	3	0	9	20	9	9
10	22	6	0	10	23	1	6
11	24	9	0	11	25	5	3
12	27	0	0	12	27	9	0
13	29	3	0	13	30	0	9
14	31	6	0	14	32	4	6
15	33	9	0	15	34	8	3
16	36	0	0	16	37	0	1
17	38	3	0	17	39	3	10
18	40	6	0	18	41	7	7
19	42	9	0	19	43	11	4
20	45	0	0	20	46	3	1
21	47	3	0	21	48	6	10
22	49	6	0	22	50	10	7
23	51	9	0	23	53	2	4
24	54	0	0	24	55	6	1
25	56	3	0	25	57	9	10
26	58	6	0	26	60	1	7
27	60	9	0	27	62	5	4
28	63	0	0	28	64	9	1
29	65	3	0	29	67	0	10
30	67	6	0	30	69	4	7
31	69	9	0	31	71	8	4
32	72	0	0	32	74	0	2
33	74	3	0	33	76	3	11
34	76	6	0	34	78	7	8
35	78	9	0	35	80	11	5
36	81	0	0	36	83	3	2
37	83	3	0	37	85	6	11
38	85	6	0	38	87	10	8
39	87	9	0	39	90	2	5
40	90	0	0	40	92	6	2
41	92	3	0	41	94	9	11
42	94	6	0	42	97	1	8
43	96	9	0	43	99	5	5
44	99	0	0	44	101	9	2
45	101	3	0	45	104	0	11
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
1	0	6	9 0	1	0	6	11 3
2	1	1	6 0	2	1	1	10 6
3	1	8	3 0	3	1	8	9 9

Ft. long	Side 18 $\frac{1}{2}$			Ft. long	Side 18 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	2	4	0	1	2	5	3
2	4	9	0	2	4	10	7
3	7	1	6	3	7	3	10
4	0	6	1	4	9	9	2
5	11	10	7	5	12	2	5
6	14	3	1	6	14	7	9
7	16	7	7	7	17	1	0
8	19	0	2	8	19	6	4
9	21	4	8	9	21	11	8
10	23	9	2	10	24	4	11
11	26	1	8	11	26	10	3
12	28	6	3	12	29	3	6
13	30	10	9	13	31	8	10
14	33	3	3	14	34	2	1
15	35	7	9	15	36	7	5
16	38	0	4	16	39	0	9
17	40	4	10	17	41	6	0
18	42	9	4	18	43	11	4
19	45	1	10	19	46	4	7
20	47	6	5	20	48	9	11
21	49	10	11	21	51	3	2
22	52	3	5	22	53	8	6
23	54	7	11	23	56	1	9
24	57	0	6	24	58	7	1
25	59	5	0	25	61	0	5
26	61	9	6	26	63	5	8
27	64	2	0	27	65	11	0
28	66	6	7	28	68	4	3
29	68	11	1	29	70	9	7
30	71	3	7	30	73	2	10
31	73	8	1	31	75	8	2
32	76	0	8	32	78	1	6
33	78	5	2	33	80	6	9
34	80	9	8	34	83	0	1
35	83	2	2	35	85	5	4
36	85	6	9	36	87	10	8
37	87	11	3	37	90	3	11
38	90	3	9	38	92	9	3
39	92	8	3	39	95	2	6
40	95	0	10	40	97	7	10
41	97	5	4	41	100	1	2
42	99	9	10	42	102	6	5
43	102	2	4	43	104	11	9
44	104	6	11	44	107	5	0
45	106	11	5	45	109	10	4
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa S.		Ft.	In.	Pa S.
$\frac{1}{4}$	0	7	1 6	$\frac{1}{4}$	0	7	3 9
$\frac{1}{2}$	1	2	3 0	$\frac{1}{2}$	1	2	7 6
$\frac{3}{4}$	1	9	4 6	$\frac{3}{4}$	1	9	11 3

Ft. long	Side 19 Inch.			Ft. long	Side 19 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	2	6	1	1	2	6	10
2	5	0	2	2	5	1	9
3	7	6	3	3	7	8	7
4	10	0	4	4	10	3	6
5	12	6	5	5	12	10	4
6	15	0	6	6	15	5	3
7	17	6	7	7	18	0	1
8	20	0	8	8	20	7	0
9	22	6	9	9	23	1	11
10	25	0	10	10	25	8	9
11	27	6	11	11	28	3	8
12	30	1	0	12	30	10	6
13	32	7	1	13	33	5	5
14	35	1	2	14	36	0	3
15	37	7	3	15	38	7	2
16	40	1	4	16	41	2	1
17	42	7	5	17	43	8	11
18	45	1	6	18	46	3	10
19	47	7	7	19	48	10	8
20	50	1	8	20	51	5	7
21	52	7	9	21	54	0	5
22	55	1	10	22	56	7	4
23	57	7	11	23	59	2	2
24	60	2	0	24	61	9	1
25	62	8	1	25	64	4	0
26	65	2	2	26	66	10	10
27	67	8	3	27	69	5	9
28	70	2	4	28	72	0	7
29	72	8	5	29	74	7	6
30	75	2	6	30	77	2	4
31	77	8	7	31	79	9	3
32	80	2	8	32	82	4	2
33	82	8	9	33	84	11	0
34	85	2	10	34	87	5	11
35	87	8	11	35	90	0	3
36	90	3	0	36	92	7	8
37	92	9	1	37	95	2	6
38	95	3	2	38	97	9	5
39	97	9	3	39	100	4	3
40	100	3	4	40	102	11	2
41	102	9	5	41	105	6	1
42	105	3	6	42	108	0	11
43	107	9	7	43	110	7	10
44	110	3	8	44	113	2	8
45	112	9	9	45	115	9	7
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	7	6 3	$\frac{1}{4}$	0	7	8 6
$\frac{1}{2}$	1	3	0 6	$\frac{1}{2}$	1	3	5 0
$\frac{3}{4}$	1	10	6 9	$\frac{3}{4}$	1	11	1 6

Ft. long	Side 19 $\frac{1}{2}$			Ft. long	Side 19 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	2	7	8	1	2	8	6
2	5	3	4	2	5	5	0
3	7	11	0	3	8	1	6
4	10	6	9	4	10	10	0
5	13	2	5	5	13	6	6
6	15	10	1	6	16	3	0
7	18	5	9	7	18	11	6
8	21	1	6	8	21	8	0
9	23	9	2	9	24	4	6
10	26	4	10	10	27	1	0
11	29	0	6	11	29	9	6
12	31	8	3	12	32	6	0
13	34	3	11	13	35	2	6
14	36	11	7	14	37	11	0
15	39	7	3	15	40	7	6
16	42	3	0	16	43	4	1
17	44	10	8	17	46	0	7
18	47	6	4	18	48	9	1
19	50	2	0	19	51	5	7
20	52	9	9	20	54	2	1
21	55	5	5	21	56	10	7
22	58	1	1	22	59	7	1
23	60	8	9	23	62	3	7
24	63	4	6	24	65	0	1
25	66	0	2	25	67	8	7
26	68	7	10	26	70	5	1
27	71	3	6	27	73	1	7
28	73	11	3	28	75	10	1
29	76	6	11	29	78	6	7
30	79	2	7	30	81	3	1
31	81	10	3	31	83	11	7
32	84	6	0	32	86	8	8
33	87	1	8	33	89	4	2
34	89	9	4	34	92	1	7
35	92	5	0	35	94	9	8
36	95	0	9	36	97	6	2
37	97	8	5	37	100	2	8
38	100	4	1	38	102	11	2
39	102	11	9	39	105	7	8
40	105	7	0	40	108	4	2
41	108	3	2	41	111	0	8
42	110	10	10	42	113	9	2
43	113	6	6	43	116	5	8
44	116	2	3	44	119	2	2
45	118	9	11	45	121	10	8
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	7	11 0	$\frac{1}{4}$	0	8	1 6
$\frac{1}{2}$	1	3	10 0	$\frac{1}{2}$	1	4	3 0
$\frac{3}{4}$	1	11	9 0	$\frac{3}{4}$	2	0	4 6

Ft. long	Side 20 Inch.			Ft. long	Side 20 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	2	9	4	1	2	10	2
2	5	6	8	2	5	8	4
3	8	4	0	3	8	6	6
4	11	1	4	4	11	4	8
5	13	10	8	5	14	2	10
6	16	8	0	6	17	1	0
7	19	5	4	7	19	11	2
8	22	2	8	8	22	9	4
9	25	0	0	9	25	7	6
10	27	9	4	10	28	5	8
11	30	6	8	11	31	3	10
12	33	4	0	12	34	2	0
13	36	1	4	13	37	0	2
14	38	10	8	14	39	10	4
15	41	8	0	15	42	8	6
16	44	5	4	16	45	6	9
17	47	2	8	17	48	4	11
18	50	0	0	18	51	3	1
19	52	9	4	19	54	1	3
20	55	6	8	20	56	11	5
21	58	4	0	21	59	9	7
22	61	1	4	22	62	7	9
23	63	10	8	23	65	5	11
24	66	8	0	24	68	4	1
25	69	5	4	25	71	2	3
26	72	2	8	26	74	0	5
27	75	0	0	27	76	10	7
28	77	9	4	28	79	8	9
29	80	6	8	29	82	6	11
30	83	4	0	30	85	5	1
31	86	1	4	31	88	3	3
32	88	10	8	32	91	1	6
33	91	8	0	33	93	11	8
34	94	5	4	34	96	9	10
35	97	2	8	35	99	8	0
36	100	0	0	36	102	6	2
37	102	9	4	37	105	4	4
38	105	6	8	38	108	2	6
39	108	4	0	39	111	0	8
40	111	1	4	40	113	10	10
41	113	10	8	41	116	9	0
42	116	8	0	42	119	7	2
43	119	5	4	43	122	5	4
44	122	2	8	44	125	3	6
45	125	0	0	45	128	1	8
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	8	4 0	$\frac{1}{4}$	0	8	6 6
$\frac{1}{2}$	1	4	8 0	$\frac{1}{2}$	1	5	1 0
$\frac{3}{4}$	2	1	0 0	$\frac{3}{4}$	2	1	7 6

Ft. long	Side 20 $\frac{1}{2}$			Ft. long	Side 20 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	2	11	0	1	2	11	10
2	5	10	0	2	5	11	9
3	8	9	0	3	8	11	7
4	11	8	1	4	11	11	6
5	14	7	1	5	14	11	4
6	17	6	1	6	17	11	3
7	20	5	1	7	20	11	1
8	23	4	2	8	23	11	0
9	26	3	2	9	26	10	11
10	29	2	2	10	29	10	9
11	32	1	2	11	32	10	8
12	35	0	3	12	35	10	6
13	37	11	3	13	38	10	5
14	40	10	3	14	41	10	3
15	43	9	3	15	44	10	2
16	46	8	4	16	47	10	1
17	49	7	4	17	50	9	11
18	52	6	4	18	53	9	10
19	55	5	4	19	56	9	8
20	58	4	5	20	59	9	7
21	61	3	5	21	62	9	5
22	64	2	5	22	65	9	4
23	67	1	5	23	68	9	2
24	70	0	6	24	71	9	1
25	72	11	6	25	74	9	0
26	75	10	6	26	77	8	10
27	78	9	6	27	80	8	9
28	81	8	7	28	83	8	7
29	84	7	7	29	86	8	6
30	87	6	7	30	89	8	4
31	90	5	7	31	92	8	3
32	93	4	8	32	95	8	2
33	96	3	8	33	98	8	0
34	99	2	8	34	101	7	11
35	102	1	8	35	104	7	9
36	105	0	9	36	107	7	8
37	107	11	9	37	110	7	6
38	110	10	9	38	113	7	5
39	113	9	9	39	116	7	3
40	116	8	10	40	119	7	2
41	119	7	10	41	122	7	1
42	122	6	10	42	125	6	11
43	125	5	10	43	128	6	10
44	128	4	11	44	131	6	8
45	131	3	11	45	134	6	7
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	8	9 0	$\frac{1}{4}$	0	8	11 6
$\frac{1}{2}$	1	5	6 0	$\frac{1}{2}$	1	5	11 0
$\frac{3}{4}$	2	2	3 0	$\frac{3}{4}$	2	2	10 6

Ft. long	Side 21 Inch.			Ft. long	Side 21 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	3	0	9	1	3	1	7
2	6	1	6	2	6	3	3
3	9	2	3	3	9	4	10
4	12	3	0	4	12	6	6
5	15	3	9	5	15	8	1
6	18	4	6	6	18	9	9
7	21	5	3	7	21	11	4
8	24	6	0	8	25	1	0
9	27	6	9	9	28	2	8
10	30	7	6	10	31	4	3
11	33	8	3	11	34	5	11
12	36	9	0	12	37	7	6
13	39	9	9	13	40	9	2
14	42	10	6	14	43	10	9
15	45	11	3	15	47	0	5
16	49	0	0	16	50	2	1
17	52	0	9	17	53	3	8
18	55	1	6	18	56	5	4
19	58	2	3	19	59	6	11
20	61	3	0	20	62	8	7
21	64	3	9	21	65	10	2
22	67	4	6	22	68	11	10
23	70	5	3	23	72	1	4
24	73	6	0	24	75	3	1
25	76	6	9	25	78	4	9
26	79	7	6	26	81	6	4
27	82	8	3	27	84	8	0
28	85	9	0	28	87	9	7
29	88	9	9	29	90	11	3
30	91	10	6	30	94	0	10
31	94	11	3	31	97	2	6
32	98	0	0	32	100	4	2
33	101	0	9	33	103	5	9
34	104	1	6	34	106	7	5
35	107	2	3	35	109	9	0
36	110	3	0	36	112	10	8
37	113	3	9	37	116	0	3
38	116	4	6	38	119	1	11
39	119	5	3	39	122	3	6
40	122	6	0	40	125	5	2
41	125	6	9	41	128	6	10
42	128	7	6	42	131	8	5
43	131	8	3	43	134	10	1
44	134	9	0	44	137	11	8
45	137	9	9	45	141	1	4
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	9	2 3	$\frac{1}{4}$	0	9	4 9
$\frac{1}{2}$	1	6	4 6	$\frac{1}{2}$	1	6	9 6
$\frac{3}{4}$	2	3	6 9	$\frac{3}{4}$	2	3	2 3

Of SOLID MEASURE.

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Ft. long	Side 21 $\frac{1}{2}$			Ft. long	Side 21 $\frac{3}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	3	2	6	1	3	3	5
2	6	5	0	2	6	6	10
3	9	7	6	3	9	10	3
4	12	10	1	4	13	1	8
5	16	0	7	5	16	5	1
6	19	3	1	6	19	8	6
7	22	5	7	7	22	11	11
8	25	8	2	8	26	3	4
9	28	10	8	9	29	6	9
10	32	1	2	10	32	10	2
11	35	3	8	11	36	1	7
12	38	6	3	12	39	5	0
13	41	8	9	13	42	8	5
14	44	11	3	14	45	11	10
15	48	1	9	15	49	3	3
16	51	4	4	16	52	6	9
17	54	6	10	17	55	10	2
18	57	9	4	18	59	1	7
19	60	11	10	19	62	5	0
20	64	2	5	20	65	8	5
21	67	4	11	21	68	11	10
22	70	7	5	22	72	3	3
23	73	9	11	23	75	6	8
24	77	0	6	24	78	10	1
25	80	3	0	25	82	1	6
26	83	5	6	26	85	4	11
27	86	8	0	27	88	8	4
28	89	10	7	28	91	11	9
29	93	1	1	29	95	3	2
30	96	3	7	30	98	6	7
31	99	6	1	31	101	10	1
32	102	8	8	32	105	1	6
33	105	11	2	33	108	4	11
34	109	1	8	34	111	8	4
35	112	4	2	35	114	11	9
36	115	6	9	36	118	3	2
37	118	9	3	37	121	6	7
38	121	11	9	38	124	10	0
39	125	2	3	39	128	1	5
40	128	4	10	40	131	4	10
41	131	7	4	41	134	8	3
42	134	9	10	42	137	11	8
43	138	0	4	43	141	3	1
44	141	2	11	44	144	6	6
45	144	5	5	45	147	9	11
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	9	7 6	$\frac{1}{4}$	0	9	10 3
$\frac{1}{2}$	1	7	3 0	$\frac{1}{2}$	1	7	8 6
$\frac{3}{4}$	2	4	10 6	$\frac{3}{4}$	2	5	6 0

Ft. long	Side 22 Inch.			Ft. long	Side 22 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	3	4	4	1	3	5	3
2	6	8	8	2	6	10	6
3	10	1	0	3	10	3	9
4	13	5	4	4	13	9	2
5	16	9	8	5	17	2	3
6	20	2	0	6	20	7	6
7	23	6	4	7	24	0	9
8	26	10	8	8	27	6	0
9	30	3	0	9	30	11	3
10	33	7	4	10	34	4	6
11	36	11	8	11	37	9	9
12	40	4	0	12	41	3	0
13	43	8	4	13	44	8	3
14	47	0	8	14	48	1	6
15	50	5	0	15	51	6	9
16	53	9	4	16	55	0	1
17	57	1	8	17	58	5	4
18	60	6	0	18	61	10	7
19	63	10	4	19	65	3	10
20	67	2	8	20	68	9	1
21	70	7	0	21	72	2	4
22	73	11	4	22	75	7	7
23	77	3	8	23	79	0	10
24	80	8	0	24	82	6	1
25	84	0	4	25	85	11	4
26	87	4	8	26	89	4	7
27	90	9	0	27	92	9	10
28	94	1	4	28	96	3	1
29	97	5	8	29	99	8	4
30	100	10	0	30	103	1	7
31	104	2	4	31	106	6	10
32	107	6	8	32	110	0	2
33	110	11	0	33	113	5	5
34	114	3	4	34	116	10	8
35	117	7	8	35	120	3	11
36	121	0	0	36	123	9	2
37	124	4	4	37	127	2	5
38	127	8	8	38	130	7	8
39	131	1	0	39	134	0	11
40	134	5	4	40	137	6	2
41	137	0	8	41	140	11	5
42	141	2	0	42	144	4	8
43	144	6	4	43	147	9	11
44	147	10	8	44	151	3	2
45	151	3	0	45	154	8	5
Quarters of a Foot				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	10	1 0	$\frac{1}{4}$	0	10	3 9
$\frac{1}{2}$	1	8	2 0	$\frac{1}{2}$	1	8	7 6
$\frac{3}{4}$	2	6	3 0	$\frac{3}{4}$	2	6	11 3

Ft. long	Side 22 $\frac{1}{2}$			Ft. long	Side 22 $\frac{1}{2}$		
	Ft.	in.	Pa.		Ft.	in.	Pa.
1	3	6	2	1	3	7	1
2	7	0	4	2	7	2	3
3	10	6	6	3	10	9	4
4	14	0	9	4	14	4	6
5	17	6	11	5	17	11	7
6	21	1	1	6	21	6	9
7	24	7	3	7	25	1	10
8	28	1	6	8	28	9	0
9	31	7	8	9	32	4	2
10	35	1	10	10	35	11	3
11	38	8	0	11	39	6	5
12	42	2	3	12	43	1	6
13	45	8	5	13	46	8	8
14	49	2	7	14	50	3	9
15	52	8	9	15	53	10	11
16	56	3	0	16	57	6	1
17	59	9	2	17	61	1	2
18	63	3	4	18	64	8	4
19	66	9	6	19	68	3	5
20	70	3	9	20	71	10	7
21	73	9	11	21	75	5	8
22	77	4	1	22	79	0	10
23	80	10	3	23	82	7	11
24	84	4	6	24	86	3	1
25	87	10	8	25	89	10	3
26	91	4	10	26	93	5	4
27	94	11	0	27	97	0	6
28	98	5	3	28	100	7	7
29	101	11	5	29	104	2	9
30	105	5	7	30	107	9	10
31	108	11	9	31	111	5	0
32	112	6	0	32	115	0	2
33	116	0	2	33	118	7	3
34	119	6	4	34	122	2	5
35	123	0	6	35	125	9	6
36	126	6	9	36	129	4	8
37	130	0	11	37	132	11	9
38	133	7	1	38	136	6	11
39	137	1	3	39	140	2	0
40	140	7	6	40	143	9	2
41	144	1	8	41	147	4	4
42	147	7	10	42	150	11	5
43	151	2	0	43	154	6	7
44	154	8	3	44	158	1	8
45	158	2	5	45	161	8	10
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	in.	Pa. S.		Ft.	in.	Pa. S.
$\frac{1}{4}$	0	10	6 6	$\frac{1}{4}$	0	10	9 3
$\frac{1}{2}$	1	9	1 0	$\frac{1}{2}$	1	9	6 6
$\frac{3}{4}$	2	7	7 6	$\frac{3}{4}$	2	8	3 9

Ft. long	Side 23 Inch.			Ft. long	Side 23 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	3	8	1	1	3	9	0
2	7	4	2	2	7	6	1
3	11	0	3	3	11	3	1
4	14	8	4	4	15	0	2
5	18	4	5	5	18	9	2
6	22	0	6	6	22	6	3
7	25	8	7	7	26	3	3
8	29	4	8	8	30	0	4
9	33	0	9	9	33	9	5
10	36	8	10	10	37	6	5
11	40	4	11	11	41	3	6
12	44	1	0	12	45	0	6
13	47	9	1	12	48	9	7
14	51	5	2	14	52	6	7
15	55	1	3	15	56	3	8
16	58	9	4	16	60	0	9
17	62	5	5	17	63	9	9
18	66	1	6	18	67	6	10
19	69	9	7	19	71	3	10
20	73	5	8	20	75	0	11
21	77	1	9	21	78	9	11
22	80	9	10	22	82	7	0
23	84	5	11	23	86	4	0
24	88	2	0	24	90	1	1
25	91	10	1	25	93	10	2
26	95	6	2	26	97	7	2
27	99	2	3	27	101	4	3
28	102	10	4	28	105	1	3
29	106	6	5	29	108	10	4
30	110	2	6	30	112	7	4
31	113	10	7	31	116	4	5
32	117	6	8	32	120	1	6
33	121	2	9	33	123	10	6
34	124	10	10	34	127	7	7
35	128	6	11	35	131	4	7
36	132	3	0	36	135	1	8
37	135	11	1	37	138	10	8
38	139	7	2	38	142	7	9
39	143	3	3	39	146	4	9
40	146	11	4	40	150	1	10
41	150	7	5	41	153	10	11
42	154	3	6	42	157	7	11
43	157	11	7	43	161	5	0
44	161	7	8	44	165	2	0
45	165	3	9	45	168	11	1
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	11	0 3	$\frac{1}{4}$	0	11	3 0
$\frac{1}{2}$	1	10	0 6	$\frac{1}{2}$	1	10	6 0
$\frac{3}{4}$	2	9	0 9	$\frac{3}{4}$	2	9	9 0

Ft. long	Side 23 $\frac{1}{2}$			Ft. long	Side 23 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	3	10	0	1	3	11	0
2	7	8	0	2	7	10	0
3	11	6	0	3	11	9	0
4	15	4	1	4	15	8	0
5	19	2	1	5	19	7	0
6	23	0	1	6	23	6	0
7	26	10	1	7	27	5	0
8	30	8	2	8	31	4	0
9	34	6	2	9	35	3	0
10	38	4	2	10	39	2	0
11	42	2	2	11	43	11	0
12	46	0	3	12	47	0	0
13	49	10	3	13	50	11	0
14	53	8	3	14	54	10	0
15	57	6	3	15	58	9	0
16	61	4	4	16	62	8	1
17	65	2	4	17	66	7	1
18	69	0	4	18	70	6	1
19	72	10	4	19	74	5	1
20	76	8	5	20	78	4	1
21	80	6	5	21	82	3	1
22	84	4	5	22	86	2	1
23	88	2	5	23	90	1	1
24	92	0	6	24	94	0	1
25	95	10	6	25	97	11	1
26	99	8	6	26	101	10	1
27	103	6	6	27	105	9	1
28	107	4	7	28	109	8	1
29	111	2	7	29	113	7	1
30	115	0	7	30	117	6	1
31	118	10	7	31	121	5	1
32	122	8	8	32	125	4	2
33	126	6	8	33	129	3	2
34	130	4	8	34	133	2	2
35	134	2	8	35	137	1	2
36	138	0	9	36	141	0	2
37	141	10	9	37	144	11	2
38	145	8	9	38	148	10	2
39	149	6	9	39	152	9	2
40	153	4	10	40	156	8	2
41	157	2	10	41	160	7	2
42	161	0	10	42	164	6	2
43	164	10	10	43	168	5	2
44	168	8	11	44	172	4	2
45	172	6	11	45	176	3	2
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	0	11	6 0	$\frac{1}{4}$	0	11	9 0
$\frac{1}{2}$	1	11	0 0	$\frac{1}{2}$	1	11	6 0
$\frac{3}{4}$	2	10	6 0	$\frac{3}{4}$	2	11	3 0

Ft. long	Side 24 Inch.			Ft. long	Side 24 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	4	0	0	1	4	1	0
2	8	0	0	2	8	2	0
3	12	0	0	3	12	3	0
4	16	0	0	4	16	4	0
5	20	0	0	5	20	5	0
6	24	0	0	6	24	6	0
7	28	0	0	7	28	7	0
8	32	0	0	8	32	8	0
9	36	0	0	9	36	9	0
10	40	0	0	10	40	10	0
11	44	0	0	11	44	11	0
12	48	0	0	12	49	0	0
13	52	0	0	13	53	1	0
14	56	0	0	14	57	2	0
15	60	0	0	15	61	3	0
16	64	0	0	16	65	4	1
17	68	0	0	17	69	5	1
18	72	0	0	18	73	6	1
19	76	0	0	19	77	7	1
20	80	0	0	20	81	8	1
21	84	0	0	21	85	9	1
22	88	0	0	22	89	10	1
23	92	0	0	23	93	11	1
24	96	0	0	24	98	0	1
25	100	0	0	25	102	1	1
26	104	0	0	26	106	2	1
27	108	0	0	27	110	3	1
28	112	0	0	28	114	4	1
29	116	0	0	29	118	5	1
30	120	0	0	30	122	6	1
31	124	0	0	31	126	7	1
32	128	0	0	32	130	8	2
33	132	0	0	33	134	9	2
34	136	0	0	34	138	10	2
35	140	0	0	35	142	11	2
36	144	0	0	36	147	0	2
37	148	0	0	37	151	1	2
38	152	0	0	38	155	2	2
39	156	0	0	39	159	3	2
40	160	0	0	40	163	4	2
41	164	0	0	41	167	5	2
42	168	0	0	42	171	6	2
43	172	0	0	43	175	7	2
44	176	0	0	44	179	8	2
45	180	0	0	45	183	9	2
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	1	0	0 0	$\frac{1}{4}$	1	0	3 0
$\frac{1}{2}$	2	0	0 0	$\frac{1}{2}$	2	0	6 0
$\frac{3}{4}$	3	0	0 0	$\frac{3}{4}$	3	0	9 0

Ft. long	Side $24\frac{1}{2}$			Ft. long	Side $24\frac{3}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	4	2	0	1	4	3	0
2	8	4	0	2	8	6	1
3	12	6	0	3	12	9	1
4	16	8	1	4	17	0	2
5	20	10	1	5	21	3	2
6	25	0	1	6	25	6	3
7	29	2	1	7	29	9	3
8	33	4	2	8	34	0	4
9	37	6	2	9	38	3	5
10	41	8	2	10	42	6	5
11	45	10	2	11	46	9	6
12	50	0	3	12	51	0	6
13	54	2	3	13	55	3	7
14	58	4	3	14	59	6	7
15	62	6	3	15	63	9	8
16	66	8	4	16	68	0	9
17	70	10	4	17	72	3	9
18	75	0	4	18	76	6	10
19	79	2	4	19	80	9	10
20	83	4	5	20	85	0	11
21	87	6	5	21	89	3	11
22	91	8	5	22	93	7	0
23	95	10	5	23	97	10	0
24	100	0	6	24	102	1	1
25	104	2	6	25	106	4	2
26	108	4	6	26	110	7	2
27	112	6	6	27	114	10	3
28	116	8	7	28	119	1	3
29	120	10	7	29	123	4	4
30	125	0	7	30	127	7	4
31	129	2	7	31	131	10	5
32	133	4	8	32	136	1	6
33	137	6	8	33	140	4	6
34	141	8	8	34	144	7	7
35	145	10	8	35	148	10	7
36	150	0	9	36	153	1	8
37	154	2	9	37	157	4	8
38	158	4	9	38	161	7	9
39	162	6	9	39	165	10	9
40	166	8	10	40	170	1	10
41	170	10	10	41	174	4	11
42	175	0	10	42	178	7	11
43	179	2	10	43	182	11	0
44	183	4	11	44	187	2	0
45	187	6	11	45	191	5	1
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	1	0	6 0	$\frac{1}{4}$	1	0	9 0
$\frac{1}{2}$	2	1	0 0	$\frac{1}{2}$	2	1	6 0
$\frac{3}{4}$	3	1	6 0	$\frac{3}{4}$	3	2	3 0

Ft. long	Side 25 Inch.			Ft. long	Side 25 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	4	4	1	1	4	5	1
2	8	8	2	2	8	10	3
3	13	0	3	3	13	3	4
4	17	4	4	4	17	8	6
5	21	8	5	5	22	1	7
6	26	0	6	6	26	6	9
7	30	4	7	7	30	11	10
8	34	8	8	8	35	5	0
9	39	0	9	9	39	10	2
10	43	4	10	10	44	3	3
11	47	8	11	11	48	8	5
12	52	1	0	12	53	1	6
13	56	5	1	13	57	6	8
14	60	9	2	14	61	11	9
15	65	1	3	15	66	4	11
16	69	5	4	16	70	10	1
17	73	9	5	17	75	3	2
18	78	1	6	18	79	8	4
19	82	5	7	19	84	1	5
20	86	9	8	20	88	6	7
21	91	1	9	21	92	11	8
22	95	5	10	22	97	4	10
23	99	9	11	23	101	9	11
24	104	2	0	24	106	3	1
25	108	6	1	25	110	8	3
26	112	10	2	26	115	1	4
27	117	2	3	27	119	6	6
28	121	6	4	28	123	11	7
29	125	10	5	29	128	4	9
30	130	2	6	30	132	9	10
31	134	6	7	31	137	3	0
32	138	10	8	32	141	8	2
33	143	2	9	33	146	1	3
34	147	6	10	34	150	6	5
35	151	10	11	35	154	11	6
36	156	3	0	36	159	4	8
37	160	7	1	37	163	9	9
38	164	11	2	38	168	2	11
39	169	3	3	39	172	8	0
40	173	7	4	40	177	1	2
41	177	11	5	41	181	6	4
42	182	3	6	42	185	11	5
43	186	7	7	43	190	4	7
44	190	11	8	44	194	9	8
45	195	3	9	45	199	2	10
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	1	1	0 3	$\frac{1}{4}$	1	1	3 3
$\frac{1}{2}$	2	2	0 6	$\frac{1}{2}$	2	2	6 6
$\frac{3}{4}$	3	3	0 9	$\frac{3}{4}$	3	3	9 9

Ft. long	Side 25 $\frac{1}{2}$			Ft. long	Side 25 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	4	6	2	1	4	7	3
2	9	0	4	2	9	2	6
3	13	6	6	3	13	9	9
4	18	0	9	4	18	5	0
5	22	6	11	5	23	0	3
6	27	1	1	6	27	7	6
7	31	7	3	7	32	2	9
8	36	1	6	8	36	10	0
9	40	7	8	9	41	5	3
10	45	1	10	10	46	0	6
11	49	8	0	11	50	7	9
12	54	2	3	12	55	3	0
13	58	8	5	13	59	10	3
14	63	2	7	14	64	5	6
15	67	8	9	15	69	0	9
16	72	3	0	16	73	8	1
17	76	9	2	17	78	3	4
18	81	3	4	18	82	10	7
19	85	9	6	19	87	5	10
20	90	3	9	20	92	1	1
21	94	9	11	21	96	8	4
22	99	4	1	22	101	3	7
23	103	10	3	23	105	10	10
24	108	4	6	24	110	6	1
25	112	10	8	25	115	1	4
26	117	4	10	26	119	8	7
27	121	11	0	27	124	3	10
28	126	5	3	28	128	11	1
29	130	11	5	29	133	6	4
30	135	5	7	30	138	1	7
31	139	11	9	31	142	8	10
32	144	6	0	32	147	4	2
33	149	0	2	33	151	11	5
34	153	6	4	34	156	6	8
35	158	0	6	35	161	1	11
36	162	6	9	36	165	9	2
37	167	0	11	37	170	4	5
38	171	7	1	38	174	11	8
39	176	1	3	39	179	6	11
40	180	7	6	40	184	2	2
41	185	1	8	41	188	9	5
42	189	7	10	42	193	4	8
43	194	2	0	43	197	11	11
44	198	8	3	44	202	7	2
45	203	2	5	45	207	2	5
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	1	1	6 6	$\frac{1}{4}$	1	1	9 9
$\frac{1}{2}$	2	3	1 0	$\frac{1}{2}$	2	3	7 6
$\frac{3}{4}$	3	4	7 6	$\frac{3}{4}$	3	5	5 3

Ft. long	Side 26 Inch.			Ft. long	Side 26 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	4	8	4	1	4	9	5
2	9	4	8	2	9	6	10
3	14	1	0	3	14	4	3
4	18	9	4	4	19	1	8
5	23	5	8	5	23	11	1
6	28	2	0	6	28	8	6
7	32	10	4	7	33	5	11
8	37	6	8	8	38	3	4
9	42	3	0	9	43	0	9
10	46	11	4	10	47	10	2
11	51	7	8	11	52	7	7
12	56	4	0	12	57	5	0
13	61	0	4	13	62	2	5
14	65	8	8	14	66	11	10
15	70	5	0	15	71	9	3
16	75	1	4	16	76	6	9
17	79	9	8	17	81	4	2
18	84	6	0	18	86	1	7
19	89	2	4	19	90	11	0
20	93	10	8	20	95	8	5
21	98	7	0	21	100	5	10
22	103	3	4	22	105	3	3
23	107	11	8	23	110	0	8
24	112	8	0	24	114	10	1
25	117	4	4	25	119	7	6
26	122	0	8	26	124	4	11
27	126	9	0	27	129	2	4
28	131	5	4	28	133	11	9
29	136	1	8	29	138	9	2
30	140	10	0	30	143	6	7
31	145	6	4	31	147	4	0
32	150	2	8	32	153	1	5
33	154	11	0	33	158	10	11
34	159	7	4	34	162	8	4
35	164	3	8	35	167	5	9
36	169	0	0	36	172	3	2
37	173	8	4	37	177	0	7
38	178	4	8	38	181	10	0
39	183	1	0	39	186	7	5
40	187	9	4	40	191	4	10
41	192	5	8	41	196	2	3
42	197	2	0	42	200	11	8
43	201	10	4	43	205	9	1
44	206	6	8	44	210	6	6
45	211	3	0	45	215	3	11
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa.		Ft.	In.	Pa.
$\frac{1}{4}$	1	2	10	$\frac{1}{4}$	1	2	43
$\frac{1}{2}$	2	4	20	$\frac{1}{2}$	2	4	86
$\frac{3}{4}$	3	6	30	$\frac{3}{4}$	3	7	09

Ft. long	Side $26\frac{1}{2}$			Ft. long	Side $26\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	4	10	6	1	4	11	7
2	9	9	0	2	9	11	3
3	14	7	6	3	14	10	10
4	19	6	1	4	19	10	6
5	24	4	7	5	24	10	1
6	29	3	1	6	29	9	9
7	34	1	7	7	34	9	4
8	39	0	2	8	39	9	0
9	43	10	8	9	44	8	8
10	48	9	2	10	49	8	3
11	53	7	8	11	54	7	11
12	58	6	3	12	59	7	6
13	63	4	9	13	64	7	2
14	68	3	3	14	69	6	9
15	73	1	9	15	74	6	5
16	78	0	4	16	79	6	1
17	82	10	10	17	84	5	8
18	87	9	4	18	89	5	4
19	92	7	10	19	94	4	11
20	97	6	5	20	99	4	7
21	102	4	11	21	104	4	2
22	107	3	5	22	109	3	10
23	112	1	11	23	114	3	5
24	117	0	6	24	119	3	1
25	121	11	0	25	124	2	9
26	126	9	6	26	129	2	4
27	131	8	0	27	134	2	0
28	136	6	7	28	139	1	7
29	141	5	1	29	144	1	3
30	146	3	7	30	149	0	10
31	151	2	1	31	153	11	6
32	156	0	8	32	158	11	2
33	160	11	2	33	163	10	9
34	165	9	8	34	168	10	5
35	170	8	2	35	173	10	0
36	175	6	9	36	178	10	8
37	180	5	3	37	183	10	3
38	185	3	9	38	188	9	11
39	190	2	3	39	193	9	6
40	195	0	10	40	198	9	2
41	199	11	4	41	203	8	10
42	204	9	10	42	208	8	5
43	209	8	4	43	213	8	1
44	214	6	11	44	218	7	8
45	219	5	5	45	223	7	4
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	1	2	7 6	$\frac{1}{4}$	1	2	10 9
$\frac{1}{2}$	2	5	3 0	$\frac{1}{2}$	2	5	9 6
$\frac{3}{4}$	3	7	10 6	$\frac{3}{4}$	3	8	8 3

Ft. long	Side 27 Inch.			Ft. long	Side 27½		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	5	0	9	1	5	1	10
2	10	1	6	2	10	3	9
3	15	2	3	3	15	5	7
4	20	3	0	4	20	7	6
5	25	3	9	5	25	9	4
6	30	4	6	6	30	11	3
7	35	5	3	7	36	1	1
8	40	6	0	8	41	3	0
9	45	6	9	9	46	4	11
10	50	7	6	10	51	6	9
11	55	8	3	11	56	8	8
12	60	9	0	12	61	10	6
13	65	9	9	13	67	0	5
14	70	10	6	14	72	2	3
15	75	11	3	15	77	4	2
16	81	0	0	16	82	6	1
17	86	0	9	17	87	7	11
18	91	1	6	18	92	9	10
19	96	2	3	19	97	11	8
20	101	3	0	20	103	1	7
21	106	3	9	21	108	3	5
22	111	4	6	22	113	5	4
23	116	5	3	23	118	7	2
24	121	6	0	24	123	9	1
25	126	6	9	25	128	11	0
26	131	7	6	26	134	0	10
27	136	8	3	27	139	2	9
28	141	9	0	28	144	4	7
29	146	9	9	29	149	6	6
30	151	10	6	30	154	8	4
31	156	11	3	31	159	10	3
32	162	0	0	32	165	0	2
33	167	0	9	33	170	2	0
34	172	1	6	34	175	3	11
35	177	2	3	35	180	5	9
36	182	3	0	36	185	7	8
37	187	3	9	37	190	9	6
38	192	4	6	38	195	11	5
39	197	5	3	39	201	1	3
40	202	6	0	40	206	3	2
41	207	6	9	41	211	5	1
42	212	7	6	42	216	6	11
43	217	8	3	43	221	8	10
44	222	9	0	44	226	10	8
45	227	9	9	45	232	0	7
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
1/4	1	3	2 3	1/4	1	3	5 6
1/2	2	6	4 6	1/2	2	6	11 0
3/4	3	9	6 9	3/4	3	10	4 6

Ft. long	Side 27 $\frac{1}{2}$			Ft. long	Side 27 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	5	3	0	1	5	4	2
2	10	6	0	2	10	8	4
3	15	9	0	3	16	0	6
4	21	0	1	4	21	4	8
5	26	3	1	5	26	8	10
6	31	6	1	6	32	1	0
7	36	9	1	7	37	5	2
8	42	0	2	8	42	9	4
9	47	3	2	9	48	1	6
10	52	6	2	10	53	5	8
11	57	9	2	11	58	9	10
12	63	0	3	12	64	2	0
13	68	3	3	13	69	6	2
14	73	6	3	14	74	10	4
15	78	9	3	15	80	2	6
16	84	0	4	16	85	6	9
17	89	3	4	17	90	10	11
18	94	6	4	18	96	3	1
19	99	9	4	19	101	7	3
20	105	0	5	20	106	11	5
21	110	3	5	21	112	3	7
22	115	6	5	22	117	7	9
23	120	9	5	23	122	11	11
24	126	0	6	24	128	4	1
25	131	3	6	25	133	8	3
26	136	6	6	26	139	0	5
27	141	9	6	27	144	4	7
28	147	0	7	28	149	8	9
29	152	3	7	29	155	0	11
30	157	6	7	30	160	5	1
31	162	9	7	31	165	9	3
32	168	0	8	32	171	1	6
33	173	3	8	33	176	5	8
34	178	6	8	34	181	9	10
35	183	9	8	35	187	2	0
36	189	0	9	36	192	6	2
37	194	3	9	37	197	10	4
38	199	6	9	38	203	2	6
39	204	9	9	39	208	6	8
40	210	0	10	40	213	10	10
41	215	3	10	41	219	3	0
42	220	6	10	42	224	7	2
43	225	9	10	43	229	11	4
44	231	0	11	44	235	3	6
45	236	3	11	45	240	7	8
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	1	3	9 0	$\frac{1}{4}$	1	4	0 6
$\frac{1}{2}$	2	7	6 0	$\frac{1}{2}$	2	8	1 0
$\frac{3}{4}$	3	11	3 0	$\frac{3}{4}$	4	0	1 6

Ft. long	Side 28 Inch.			Ft. long	Side 28 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	5	5	4	1	5	0	6
2	10	10	8	2	11	1	0
3	16	4	0	3	16	7	6
4	21	9	4	4	22	2	0
5	27	2	8	5	27	8	6
6	32	8	0	6	33	3	0
7	38	1	4	7	38	9	6
8	43	6	8	8	44	4	0
9	49	0	0	9	49	10	6
10	54	5	4	10	55	5	0
11	59	10	8	11	60	11	6
12	65	4	0	12	66	6	0
13	70	9	4	13	72	0	6
14	76	2	8	14	77	7	0
15	81	8	0	15	83	1	6
16	87	1	4	16	88	8	1
17	92	6	8	17	94	2	7
18	98	0	0	18	99	9	1
19	103	5	4	19	105	3	7
20	108	10	8	20	110	10	1
21	114	4	0	21	116	4	7
22	119	9	4	22	121	11	1
23	125	2	8	23	127	5	7
24	130	8	0	24	133	0	1
25	136	1	4	25	138	6	7
26	141	6	8	26	144	1	1
27	147	0	0	27	149	7	7
28	152	5	4	28	155	2	1
29	157	10	8	29	160	8	7
30	164	4	0	30	166	3	1
31	168	9	4	31	171	9	7
32	174	2	8	32	177	4	2
33	179	8	0	33	182	10	8
34	185	1	4	34	188	5	2
35	190	6	8	35	193	11	8
36	196	0	0	36	199	6	2
37	201	5	4	37	205	0	8
38	206	10	8	38	210	7	2
39	212	4	0	39	216	1	8
40	217	9	4	40	221	8	2
41	223	2	8	41	227	2	8
42	228	8	0	42	232	9	2
43	234	1	4	43	238	3	8
44	239	6	8	44	243	10	2
45	245	0	0	45	249	4	8
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	1	4	4 0	$\frac{1}{4}$	1	4	7 6
$\frac{1}{2}$	2	8	8 0	$\frac{1}{2}$	2	9	3 0
$\frac{3}{4}$	4	1	0 0	$\frac{3}{4}$	4	1	10 6

Ft. long	Side 28 $\frac{1}{2}$			Ft. long	Side 28 $\frac{3}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	5	7	8	1	5	8	10
2	11	3	4	2	11	5	9
3	16	11	0	3	17	2	7
4	22	6	9	4	22	11	6
5	28	2	5	5	28	8	4
6	33	10	1	6	34	5	3
7	39	5	9	7	40	2	1
8	45	1	6	8	45	11	0
9	50	9	2	9	51	7	11
10	56	4	10	10	57	4	9
11	62	0	6	11	63	1	8
12	67	8	3	12	68	10	6
13	73	3	11	13	74	7	5
14	78	11	7	14	80	4	3
15	84	7	3	15	86	1	2
16	90	3	0	16	91	10	1
17	95	10	8	17	97	6	11
18	101	6	4	18	103	3	10
19	107	2	0	19	109	0	8
20	112	9	9	20	114	9	7
21	118	5	5	21	120	6	5
22	124	1	1	22	126	3	4
23	129	8	9	23	132	0	2
24	135	4	6	24	137	9	1
25	141	0	2	25	143	6	0
26	146	7	10	26	149	2	10
27	152	3	6	27	154	11	9
28	157	11	3	28	160	8	7
29	163	6	11	29	166	5	6
30	169	2	7	30	172	2	4
31	174	10	3	31	177	11	3
32	180	6	0	32	183	8	2
33	186	1	8	33	189	5	0
34	191	9	4	34	195	1	11
35	197	5	0	35	200	10	9
36	203	0	9	36	206	7	8
37	208	8	5	37	212	4	6
38	214	4	1	38	218	1	5
39	219	11	9	39	223	10	3
40	225	7	6	40	229	7	2
41	231	3	2	41	235	4	1
42	236	10	10	42	241	0	11
43	242	6	6	43	246	9	9
44	248	2	3	44	252	6	7
45	253	9	11	45	258	3	0
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	1	4	11 0	$\frac{1}{4}$	1	5	2 6
$\frac{1}{2}$	2	9	10 0	$\frac{1}{2}$	2	10	5 0
$\frac{3}{4}$	4	2	0 0	$\frac{3}{4}$	4	3	7 6

Ft. long	Side 29 Inch.			Ft. long	Side 29 $\frac{1}{4}$		
	Fr.	In.	Pa.		Fr.	In.	Pa.
1	5	10	1	1	5	11	3
2	11	8	2	2	11	10	7
3	17	6	3	3	17	9	10
4	23	4	4	4	23	9	2
5	29	2	5	5	29	8	5
6	35	0	6	6	35	7	9
7	40	10	7	7	41	7	0
8	46	8	8	8	47	6	4
9	52	6	9	9	53	5	8
10	58	4	10	10	59	4	11
11	64	2	11	11	65	4	3
12	70	1	0	12	71	3	6
13	75	11	1	13	77	2	10
14	81	9	2	14	83	2	1
15	87	7	3	15	89	1	5
16	93	5	4	16	95	0	9
17	99	3	5	17	101	0	0
18	105	1	6	18	106	11	4
19	110	11	7	19	112	10	7
20	116	9	8	20	118	9	11
21	122	7	9	21	124	9	2
22	128	5	10	22	130	8	6
23	134	3	11	23	136	7	9
24	140	2	0	24	142	7	1
25	146	0	1	25	148	6	5
26	151	10	2	26	154	5	8
27	157	8	3	27	160	5	0
28	163	6	4	28	166	4	3
29	169	4	5	29	172	3	7
30	175	2	6	30	178	2	10
31	181	0	7	31	184	2	2
32	186	10	8	32	190	1	6
33	192	8	9	33	196	0	9
34	198	6	10	34	202	0	1
35	204	4	11	35	207	11	4
36	210	3	0	36	213	10	8
37	216	1	1	37	219	9	11
38	221	11	2	38	225	9	3
39	227	9	3	39	231	8	6
40	233	7	4	40	237	7	10
41	239	5	5	41	243	7	2
42	245	3	6	42	249	6	5
43	251	1	7	43	255	5	9
44	256	11	8	44	261	5	0
45	262	9	9	45	267	4	4
Quarters of a Foot.				Quarters of a Foot.			
	Fr.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	1	5	6 3	$\frac{1}{4}$	1	5	9 9
$\frac{1}{2}$	2	11	0 6	$\frac{1}{2}$	2	11	7 6
$\frac{3}{4}$	4	4	6 9	$\frac{3}{4}$	4	5	5 3

Ft. long	Side 29 $\frac{1}{2}$			Ft. long	Side 29 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	6	0	6	1	6	1	9
2	12	1	0	2	12	3	6
3	18	1	6	3	18	5	3
4	24	2	1	4	24	7	0
5	30	2	7	5	30	8	9
6	36	3	1	6	36	10	6
7	42	3	7	7	43	0	3
8	48	4	2	8	49	2	0
9	54	4	8	9	55	3	9
10	60	5	2	10	61	5	6
11	66	5	8	11	67	7	3
12	72	6	3	12	73	9	0
13	78	6	9	13	79	10	9
14	84	7	3	14	86	0	6
15	90	7	9	15	92	2	3
16	96	8	4	16	98	4	0
17	102	8	10	17	104	5	10
18	108	9	4	18	110	7	7
19	114	9	10	19	116	9	4
20	120	10	5	20	122	11	1
21	126	10	11	21	129	0	10
22	132	11	5	22	135	2	7
23	138	11	11	23	141	4	4
24	145	0	6	24	147	6	1
25	151	1	0	25	153	7	10
26	157	1	6	26	159	9	7
27	163	2	0	27	165	11	4
28	169	2	7	28	172	1	1
29	175	3	1	29	178	2	10
30	181	3	7	30	184	4	7
31	187	4	1	31	190	6	4
32	193	4	8	32	196	8	2
33	199	5	2	33	202	9	11
34	205	5	8	34	208	11	8
35	211	6	2	35	215	1	5
36	217	6	9	36	221	3	2
37	223	7	3	37	227	4	11
38	229	7	9	38	233	6	8
39	235	8	3	39	239	8	5
40	241	8	10	40	245	10	2
41	247	9	4	41	251	11	11
42	253	9	10	42	258	1	8
43	259	10	4	43	264	3	5
44	265	10	11	44	270	5	2
45	271	11	5	45	276	6	11
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	1	6	1 6	$\frac{1}{4}$	1	6	5 3
$\frac{1}{2}$	3	0	3 0	$\frac{1}{2}$	3	0	10 6
$\frac{3}{4}$	4	6	4 6	$\frac{3}{4}$	4	7	3 9

Ft. long	Side 30 Inch.			Ft. long	Side 30 $\frac{1}{4}$				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	6	3	0	1	6	4	3		
2	12	6	0	2	12	8	6		
3	18	9	0	3	19	0	9		
4	25	0	0	4	25	5	0		
5	31	3	0	5	31	9	3		
6	37	6	0	6	38	1	6		
7	43	9	0	7	44	5	9		
8	50	0	0	8	50	10	0		
9	56	3	0	9	57	2	3		
10	62	6	0	10	63	6	6		
11	68	9	0	11	69	10	9		
12	75	0	0	12	76	3	0		
13	81	3	0	13	82	7	3		
14	87	6	0	14	88	11	6		
15	93	9	0	15	95	3	9		
16	100	0	0	16	101	8	1		
17	106	3	0	17	108	0	4		
18	112	6	0	18	114	4	7		
19	118	9	0	19	120	8	10		
20	125	0	0	20	127	1	1		
21	131	3	0	21	133	5	4		
22	137	6	0	22	139	9	7		
23	143	9	0	23	146	1	10		
24	150	0	0	24	152	6	1		
25	156	3	0	25	158	10	4		
26	162	6	0	26	165	2	7		
27	168	9	0	27	171	6	10		
28	175	0	0	28	177	11	1		
29	181	3	0	29	184	3	4		
30	187	6	0	30	190	7	7		
31	193	9	0	31	196	11	10		
32	200	0	0	32	203	4	2		
33	206	3	0	33	209	8	5		
34	212	6	0	34	216	0	8		
35	218	9	0	35	222	4	11		
36	225	0	0	36	228	9	2		
37	231	3	0	37	235	1	5		
38	237	6	0	38	241	5	8		
39	243	9	0	39	247	9	11		
40	250	0	0	40	254	2	2		
41	256	3	0	41	260	6	5		
42	262	6	0	42	266	10	8		
43	268	9	0	43	273	2	11		
44	275	0	0	44	279	7	2		
45	281	3	0	45	285	11	5		
Quarters of a Foot.				Quarters of a Foot.					
Ft. In. Pa. S.				Ft. In. Pa. S.					
$\frac{1}{4}$	1	6	9	0	$\frac{1}{4}$	1	7	0	9
$\frac{1}{2}$	3	1	6	0	$\frac{1}{2}$	3	2	1	6
$\frac{3}{4}$	4	8	3	0	$\frac{3}{4}$	4	9	2	3

Ft. long	Side 30 $\frac{1}{2}$			Ft. long	Side 30 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	6	5	6	1	6	6	9
2	12	11	0	2	13	1	7
3	19	4	6	3	19	8	4
4	25	10	1	4	26	3	2
5	32	3	7	5	32	9	11
6	38	9	1	6	39	4	9
7	45	2	7	7	45	11	6
8	51	8	2	8	52	6	4
9	58	1	8	9	59	1	2
10	64	7	2	10	65	7	11
11	71	0	8	11	72	2	10
12	77	6	3	12	78	9	6
13	83	11	9	13	85	4	4
14	90	5	3	14	91	11	1
15	96	10	9	15	98	5	11
16	103	4	4	16	105	0	9
17	109	9	10	17	111	7	6
18	116	3	4	18	118	2	4
19	122	8	10	19	124	9	1
20	129	2	5	20	131	3	11
21	135	7	11	21	137	10	8
22	142	1	5	22	144	5	6
23	148	6	11	23	151	0	1
24	155	0	6	24	157	7	3
25	161	6	0	25	164	1	11
26	167	11	6	26	170	8	8
27	174	5	0	27	177	3	6
28	180	10	7	28	183	10	3
29	187	4	1	29	190	5	1
30	193	9	7	30	196	11	10
31	200	3	1	31	203	6	8
32	206	8	8	32	210	1	6
33	213	2	2	33	216	8	3
34	219	7	8	34	223	3	1
35	226	1	2	35	229	9	10
36	232	6	9	36	236	8	8
37	239	0	3	37	242	14	5
38	245	5	9	38	249	6	3
39	251	11	3	39	256	1	0
40	258	4	10	40	262	7	10
41	264	10	4	41	269	2	7
42	271	3	10	42	275	9	5
43	277	9	4	43	282	4	2
44	284	2	11	44	288	11	0
45	290	8	5	45	295	5	10
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	1	7	4 6	$\frac{1}{4}$	1	7	8 3
$\frac{1}{2}$	3	2	9 0	$\frac{1}{2}$	3	3	4 6
$\frac{3}{4}$	4	10	1 6	$\frac{3}{4}$	4	11	0 0

Ft. long	Side 31 Inch.			Ft. long	Side 31 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	6	8	1	1	6	9	4
2	18	4	2	2	13	6	9
3	20	0	3	3	20	4	1
4	26	8	4	4	27	1	6
5	33	4	5	5	33	10	10
6	40	0	6	6	40	8	3
7	46	8	7	7	47	5	7
8	53	4	8	8	54	3	0
9	60	0	9	9	61	0	5
10	66	8	10	10	67	9	9
11	73	4	11	11	74	7	2
12	80	1	0	12	81	4	6
13	86	9	1	13	88	1	11
14	93	5	2	14	94	11	3
15	100	1	3	15	101	8	8
16	106	9	4	16	108	6	1
17	113	5	5	17	115	3	5
18	120	1	6	18	122	0	10
19	126	9	7	19	128	10	2
20	133	5	8	20	135	7	7
21	140	1	9	21	142	4	11
22	146	9	10	22	149	2	4
23	153	5	11	23	155	11	8
24	160	2	0	24	162	9	1
25	166	10	1	25	169	6	6
26	173	6	2	26	176	3	10
27	180	2	3	27	183	1	3
28	186	10	4	28	189	10	7
29	193	6	5	29	196	8	0
30	200	2	6	30	203	5	4
31	206	10	7	31	210	2	9
32	213	6	8	32	217	0	2
33	220	2	9	33	223	9	6
34	226	10	10	34	230	6	11
35	233	6	11	35	237	4	3
36	240	3	0	36	244	1	8
37	246	11	1	37	250	11	0
38	253	7	2	38	257	8	1
39	260	3	3	39	264	5	9
40	266	11	4	40	271	3	2
41	273	7	5	41	278	0	7
42	280	3	6	42	284	9	11
43	286	11	7	43	291	7	4
44	293	7	8	44	298	4	8
45	300	3	9	45	305	2	1
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	1	8	0 3	$\frac{1}{4}$	1	8	4 0
$\frac{2}{4}$	3	4	0 6	$\frac{2}{4}$	3	4	8 0
$\frac{3}{4}$	5	0	0 9	$\frac{3}{4}$	5	1	0 0

Ft. long	Side 31 $\frac{1}{2}$			Ft. long	Side 31 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	6	10	8	1	7	0	0
2	13	9	4	2	14	0	0
3	20	8	0	3	21	0	0
4	27	6	9	4	28	0	0
5	34	5	5	5	35	0	0
6	41	4	1	6	42	0	0
7	48	2	9	7	49	0	0
8	55	1	9	8	56	0	0
9	62	0	2	9	63	0	0
10	68	10	10	10	70	0	0
11	75	9	6	11	77	0	0
12	82	8	3	12	84	0	0
13	89	6	11	13	91	0	0
14	96	5	7	14	98	0	0
15	103	4	3	15	105	0	0
16	110	3	0	16	112	0	1
17	117	1	8	17	119	0	1
18	124	0	4	18	126	0	1
19	130	11	0	19	133	0	1
20	137	9	9	20	140	0	1
21	144	8	5	21	147	0	1
22	151	7	1	22	154	0	1
23	158	5	9	23	161	0	1
24	165	4	6	24	168	0	1
25	172	3	2	25	175	0	1
26	179	1	10	26	182	0	1
27	186	0	6	27	189	0	1
28	192	11	3	28	196	0	1
29	199	9	11	29	203	0	1
30	206	8	7	30	210	0	1
31	213	7	3	31	217	0	1
32	220	6	0	32	224	0	2
33	227	4	8	33	231	0	2
34	234	3	4	34	238	0	2
35	241	2	0	35	245	0	2
36	248	0	9	36	252	0	2
37	254	11	5	37	259	0	2
38	261	10	1	38	266	0	2
39	268	8	9	39	273	0	2
40	275	7	6	40	280	0	2
41	282	6	2	41	287	0	2
42	289	4	10	42	294	0	2
43	296	3	6	43	301	0	2
44	303	2	3	44	308	0	2
45	310	0	11	45	315	0	2
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	1	8	8 0	$\frac{1}{4}$	1	9	0 0
$\frac{1}{2}$	3	5	4 0	$\frac{1}{2}$	3	6	0 0
$\frac{3}{4}$	5	2	0 0	$\frac{3}{4}$	5	3	0 0

Ft. long	Side 32 Inch.			Ft. long	Side 32 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	7	1	4	1	7	2	8
2	14	2	8	2	14	5	4
3	21	4	0	3	21	8	0
4	28	5	4	4	28	10	8
5	35	6	8	5	36	1	4
6	42	8	0	6	43	4	0
7	49	9	4	7	50	6	8
8	56	10	8	8	57	9	4
9	64	0	0	9	65	0	0
10	71	1	4	10	72	2	8
11	78	2	8	11	79	5	4
12	85	4	0	12	86	8	0
13	92	5	4	13	93	10	8
14	99	6	8	14	101	1	4
15	106	8	0	15	108	4	0
16	113	9	4	16	115	6	9
17	120	10	8	17	122	9	5
18	128	0	0	18	130	0	1
19	135	1	4	19	137	2	9
20	142	2	8	20	144	5	5
21	149	4	0	21	151	8	1
22	156	5	4	22	158	10	9
23	163	6	8	23	166	1	5
24	170	8	0	24	173	4	1
25	177	9	4	25	180	6	9
26	184	10	8	26	187	9	5
27	192	0	0	27	195	0	1
28	199	1	4	28	202	2	9
29	206	2	8	29	209	5	5
30	213	4	0	30	216	8	1
31	220	5	4	31	223	10	9
32	227	6	8	32	231	1	6
33	234	8	0	33	238	4	2
34	241	9	4	34	245	6	10
35	248	10	8	35	252	9	6
36	256	0	0	36	260	0	2
37	263	1	4	37	267	2	10
38	270	2	8	38	274	5	6
39	277	4	0	39	281	8	2
40	284	5	4	40	288	10	10
41	291	6	8	41	296	1	6
42	298	8	0	42	303	4	2
43	305	9	4	43	310	6	10
44	312	10	8	44	317	9	6
45	320	0	0	45	325	0	2
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	1	9	4 0	$\frac{1}{4}$	1	9	8 0
$\frac{1}{2}$	3	6	8 0	$\frac{1}{2}$	3	7	4 0
$\frac{3}{4}$	5	4	0 0	$\frac{3}{4}$	5	5	0 0

Ft. long	Side $32\frac{1}{2}$			Ft. long	Side $32\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	7	4	0	1	7	5	4
2	14	8	0	2	14	10	9
3	22	0	0	3	22	4	1
4	29	4	1	4	29	9	6
5	36	8	1	5	37	2	10
6	44	0	1	6	44	8	3
7	51	4	1	7	52	1	7
8	58	8	2	8	59	7	0
9	66	0	2	9	67	0	5
10	73	4	2	10	74	5	9
11	80	8	2	11	81	11	2
12	88	0	3	12	89	4	6
13	95	4	3	13	96	9	11
14	102	8	3	14	104	3	3
15	110	0	3	15	111	8	8
16	117	4	4	16	119	2	1
17	124	8	4	17	126	7	5
18	132	0	4	18	134	0	10
19	139	4	4	19	141	6	2
20	146	8	5	20	148	11	7
21	154	0	5	21	156	4	11
22	161	4	5	22	163	10	4
23	168	8	5	23	171	3	8
24	176	0	6	24	178	9	1
25	183	4	6	25	186	2	6
26	190	8	6	26	193	7	10
27	198	0	6	27	201	1	3
28	205	4	7	28	208	6	7
29	212	8	7	29	216	0	0
30	220	0	7	30	223	5	4
31	227	4	7	31	230	10	9
32	234	8	8	32	238	4	2
33	242	0	8	33	245	9	6
34	249	4	8	34	253	2	11
35	256	8	8	35	260	8	3
36	264	0	9	36	268	1	8
37	271	4	9	37	275	7	0
38	278	8	9	38	283	0	5
39	286	0	9	39	290	5	9
40	293	4	10	40	297	11	2
41	300	8	10	41	305	4	7
42	308	0	10	42	312	9	11
43	315	4	10	43	320	3	4
44	322	8	11	44	327	8	8
45	330	0	11	45	335	2	1
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	1	10	0 0	$\frac{1}{4}$	1	10	4 0
$\frac{1}{2}$	3	8	0 0	$\frac{1}{2}$	3	8	8 0
$\frac{3}{4}$	5	6	0 0	$\frac{3}{4}$	5	7	0 0

Ft. long	Side 33 Inch.			Ft. long	Side 33 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	7	6	9	1	7	8	1
2	15	1	6	2	15	4	2
3	22	8	3	3	23	0	4
4	30	3	0	4	30	8	6
5	37	9	9	5	38	4	7
6	45	4	6	6	46	0	9
7	52	11	3	7	53	8	10
8	60	6	0	8	61	5	0
9	68	0	9	9	69	1	2
10	75	7	6	10	76	9	3
11	83	2	3	11	84	5	5
12	90	9	0	12	92	1	6
13	98	3	9	13	99	8	8
14	105	10	6	14	107	5	9
15	113	5	3	15	115	1	11
16	121	0	0	16	122	10	1
17	128	6	9	17	130	6	2
18	136	1	6	18	138	2	4
19	143	8	3	19	145	10	5
20	151	3	0	20	153	6	7
21	158	9	9	21	161	2	8
22	166	4	6	22	168	10	10
23	173	11	3	23	176	6	11
24	181	6	0	24	184	3	1
25	189	0	9	25	191	11	3
26	196	7	6	26	199	7	4
27	204	2	3	27	207	3	6
28	211	9	0	28	214	11	7
29	219	3	9	29	222	7	9
30	226	10	6	30	230	3	10
31	234	5	3	31	238	0	0
32	242	0	0	32	245	8	2
33	249	6	9	33	253	4	3
34	257	1	6	34	261	0	5
35	264	8	3	35	268	8	6
36	272	3	0	36	276	4	8
37	279	9	9	37	284	0	9
38	287	4	6	38	291	8	11
39	294	11	3	39	299	5	0
40	302	6	0	40	307	1	2
41	310	0	9	41	314	9	4
42	327	7	6	42	322	5	5
43	325	2	3	43	330	1	7
44	332	9	0	44	337	9	8
45	340	3	9	45	345	5	10
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	1	10	8 3	$\frac{1}{4}$	1	11	0 3
$\frac{1}{2}$	3	9	4 6	$\frac{1}{2}$	3	10	0 6
$\frac{3}{4}$	5	8	0 9	$\frac{3}{4}$	5	9	0 9

Ft. long	Side $33\frac{1}{2}$			Ft. long	Side $33\frac{1}{2}$		
	Ft.	In.	Pa.		ft.	In.	Pa.
1	7	9	6	1	7	10	11
2	15	7	0	2	15	9	10
3	23	4	6	3	23	8	9
4	31	2	1	4	31	7	8
5	38	11	7	5	39	6	7
6	46	9	1	6	47	5	6
7	54	6	7	7	55	4	5
8	62	4	2	8	63	3	4
9	70	1	8	9	71	2	3
10	77	11	2	10	79	1	2
11	85	8	8	11	87	0	1
12	93	6	3	12	94	11	0
13	101	3	9	13	102	9	11
14	109	1	3	14	110	8	10
15	116	10	9	15	118	7	9
16	124	8	4	16	126	6	9
17	132	5	10	17	134	5	8
18	140	3	4	18	142	4	7
19	148	0	10	19	150	3	6
20	155	10	5	20	158	2	5
21	163	7	11	21	166	1	4
22	171	5	5	22	174	0	3
23	179	2	11	23	181	11	2
24	187	0	6	24	189	10	1
25	194	10	0	25	197	9	0
26	202	7	6	26	205	7	11
27	210	5	0	27	213	6	10
28	218	2	7	28	221	5	9
29	226	0	1	29	229	4	8
30	233	9	7	30	237	3	7
31	241	7	1	31	245	2	6
32	249	4	8	32	253	1	6
33	257	2	2	33	261	0	5
34	264	11	8	34	268	11	4
35	272	9	2	35	276	10	3
36	280	6	9	36	284	9	2
37	288	4	3	37	292	8	1
38	296	1	9	38	300	7	0
39	303	11	3	39	308	5	11
40	311	8	10	40	316	4	10
41	319	6	4	41	324	3	9
42	327	3	10	42	332	2	8
43	335	1	4	43	340	1	7
44	342	10	11	44	348	0	6
45	350	8	5	45	355	11	5
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	1	11	4 6	$\frac{1}{4}$	1	11	8 9
$\frac{1}{2}$	3	10	9 0	$\frac{1}{2}$	3	11	5 6
$\frac{3}{4}$	5	10	1 6	$\frac{3}{4}$	4	11	2 3

Ft. long	Side 34 Inch.			Ft. long	Side 34 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	8	0	4	1	8	2	9
2	16	0	8	2	16	3	6
3	24	1	0	3	24	5	3
4	32	1	4	4	32	7	0
5	40	1	8	5	40	8	9
6	48	2	0	6	48	10	6
7	56	2	4	7	57	0	3
8	64	2	8	8	65	2	0
9	72	3	0	9	73	3	9
10	80	3	4	10	81	5	6
11	88	3	8	11	89	7	3
12	96	4	0	12	97	9	0
13	104	4	4	13	105	10	9
14	112	4	8	14	114	0	7
15	120	5	0	15	122	2	3
16	128	5	4	16	130	4	1
17	136	5	8	17	138	5	10
18	144	6	0	18	146	7	7
19	152	6	4	19	154	9	4
20	160	6	8	20	162	11	1
21	168	7	0	21	171	0	10
22	176	7	4	22	179	2	7
23	184	7	8	23	187	4	4
24	192	8	0	24	195	6	1
25	200	8	4	25	203	7	10
26	208	8	8	26	211	9	7
27	216	9	0	27	219	11	4
28	224	9	4	28	228	1	1
29	232	9	8	29	236	2	10
30	240	10	0	30	244	4	7
31	248	10	4	31	252	6	4
32	256	10	8	32	260	8	2
33	264	11	0	33	268	9	11
34	272	11	4	34	276	11	8
35	280	11	8	35	285	1	5
36	289	0	0	36	293	3	2
37	297	0	4	37	301	4	11
38	305	0	8	38	309	6	8
39	313	1	0	39	317	8	5
40	321	1	4	40	325	10	2
41	329	1	8	41	333	11	11
42	337	2	0	42	342	1	8
43	345	2	4	43	350	3	5
44	353	2	8	44	358	5	2
45	361	3	0	45	366	6	11
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. s.		Ft.	In.	Pa. s.
$\frac{1}{4}$	2	0	1 0	$\frac{1}{4}$	2	0	5 3
$\frac{1}{2}$	4	0	2 0	$\frac{1}{2}$	4	0	10 6
$\frac{3}{4}$	6	0	3 0	$\frac{3}{4}$	5	1	3 9

Ft. long	Side $34\frac{1}{2}$			Ft. long	Side $34\frac{1}{4}$		
	Ft.	in.	Pa.		Ft.	in.	Pa.
1	8	3	2	1	8	4	7
2	16	6	4	2	16	9	3
3	24	9	6	3	25	1	10
4	33	0	9	4	33	6	6
5	41	3	11	5	41	11	1
6	49	7	1	6	50	3	9
7	57	10	3	7	58	8	4
8	66	1	6	8	67	1	0
9	74	4	8	9	75	5	8
10	82	7	10	10	83	10	3
11	90	11	0	11	92	2	11
12	99	2	3	12	100	7	6
13	107	5	5	13	109	0	2
14	115	8	7	14	117	4	9
15	123	11	9	15	125	9	5
16	132	3	0	16	134	2	1
17	140	6	2	17	142	6	8
18	148	9	4	18	150	11	4
19	157	0	6	19	159	3	11
20	165	3	9	20	167	8	7
21	173	6	11	21	176	1	2
22	181	10	1	22	184	5	10
23	190	1	3	23	192	10	5
24	198	4	6	24	201	3	1
25	206	7	8	25	209	7	9
26	214	10	10	26	218	0	4
27	223	2	0	27	226	5	0
28	231	5	3	28	234	9	7
29	239	8	5	29	243	2	3
30	247	11	7	30	251	6	10
31	256	2	9	31	259	11	6
32	264	6	0	32	268	4	2
33	272	9	2	33	276	8	9
34	281	0	4	34	285	1	5
35	289	3	6	35	293	6	0
36	297	6	9	36	301	10	8
37	305	9	11	37	310	3	3
38	314	1	1	38	318	7	11
39	322	4	3	39	327	0	6
40	330	7	6	40	335	5	2
41	338	10	8	41	343	9	10
42	347	1	10	42	352	2	5
43	355	5	0	43	360	7	1
44	363	8	3	44	368	11	8
45	371	11	5	45	377	4	4
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	in.	Pa. S.		Ft.	in.	Pa. S.
$\frac{1}{4}$	2	0	9 6	$\frac{1}{4}$	2	1	1 9
$\frac{1}{2}$	4	1	7 0	$\frac{1}{2}$	4	2	3 6
$\frac{3}{4}$	6	2	4 6	$\frac{3}{4}$	6	2	5 3

Side 35 Inch.	Side 35 Inch.			Side 35 1/2	Side 35 1/2		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	8	6	1	1	8	7	0
2	17	0	2	2	17	3	1
3	25	6	3	3	25	10	7
4	34	0	4	4	34	6	2
5	42	6	5	5	43	1	8
6	51	0	6	6	51	9	3
7	59	6	7	7	60	4	9
8	68	0	8	8	69	0	4
9	76	6	9	9	77	7	11
10	85	0	10	10	86	3	5
11	93	6	11	11	94	11	0
12	102	1	0	12	103	6	6
13	110	7	1	13	112	2	1
14	119	1	2	14	120	9	7
15	127	7	3	15	129	5	2
16	136	1	4	16	138	0	9
17	144	7	5	17	146	8	3
18	153	1	6	18	155	3	10
19	161	7	7	19	163	11	4
20	170	1	8	20	172	6	11
21	178	7	9	21	181	2	5
22	187	1	10	22	189	10	0
23	195	7	11	23	198	5	6
24	204	2	0	24	207	1	1
25	212	8	1	25	215	8	8
26	221	2	2	26	224	4	2
27	229	8	3	27	232	11	9
28	238	2	4	28	241	7	3
29	246	8	5	29	250	2	10
30	255	2	6	30	258	10	4
31	263	8	7	31	267	5	11
32	272	2	8	32	276	1	6
33	280	8	9	33	284	9	0
34	289	2	10	34	293	4	7
35	297	8	11	35	302	0	1
36	306	3	0	36	310	7	8
37	314	9	1	37	319	3	2
38	323	3	2	38	327	10	9
39	331	9	3	39	336	6	3
40	340	3	4	40	345	1	10
41	348	9	5	41	353	9	5
42	357	3	6	42	362	4	11
43	365	9	7	43	371	0	6
44	374	3	8	44	379	8	9
45	382	0	9	45	388	3	7
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
1/4	2	1	0 3	1/4	2	1	10 6
1/2	4	3	0 6	1/2	4	3	9 0
3/4	6	4	6 9	3/4	6	5	7 6

Ft. long	Side 35 $\frac{1}{2}$			Ft. long	Side 35 $\frac{3}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	8	9	0	1	8	10	6
2	17	6	0	2	17	9	0
3	26	3	0	3	26	7	6
4	35	0	1	4	35	6	0
5	43	9	1	5	44	4	6
6	52	6	1	6	53	3	0
7	61	3	1	7	62	1	6
8	70	0	2	8	71	0	0
9	78	9	2	9	79	10	6
10	87	6	2	10	88	9	0
11	96	3	2	11	97	7	6
12	105	0	3	12	106	6	0
13	113	9	3	13	115	4	6
14	122	6	3	14	124	3	0
15	131	3	3	15	133	1	6
16	140	0	4	16	142	0	1
17	148	9	4	17	150	10	7
18	157	6	4	18	159	9	1
19	166	3	4	19	168	7	7
20	175	0	5	20	177	6	1
21	183	9	5	21	186	4	7
22	192	6	5	22	195	3	1
23	201	3	5	23	204	1	7
24	210	0	6	24	213	0	1
25	218	9	6	25	221	10	7
26	227	6	6	26	230	9	1
27	236	3	6	27	239	7	7
28	245	0	7	28	248	6	1
29	253	9	7	29	257	4	7
30	262	6	7	30	266	3	1
31	271	3	7	31	275	1	7
32	280	0	8	32	284	0	2
33	288	9	8	33	292	10	8
34	297	6	8	34	301	9	2
35	306	3	8	35	310	7	8
36	315	0	9	36	319	6	2
37	323	9	9	37	328	4	8
38	332	6	9	38	337	3	2
39	341	3	9	39	346	1	8
40	350	0	10	40	355	0	2
41	358	9	10	41	363	10	8
42	367	6	10	42	372	9	2
43	376	3	10	43	381	7	8
44	385	0	11	44	390	6	2
45	393	9	11	45	399	4	8
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	2	2	3 0	$\frac{1}{4}$	2	2	7 6
$\frac{1}{2}$	4	4	6 0	$\frac{1}{2}$	4	5	3 0
$\frac{3}{4}$	6	6	9 0	$\frac{3}{4}$	6	7	10 6

Ft. long	Side 36 Inch.			Ft. long	Side 36 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	9	0	0	1	9	1	6
2	18	0	0	2	18	3	0
3	27	0	0	3	27	4	6
4	36	0	0	4	36	6	0
5	45	0	0	5	45	7	6
6	54	0	0	6	54	9	0
7	63	0	0	7	63	10	6
8	72	0	0	8	73	0	0
9	81	0	0	9	82	1	6
10	90	0	0	10	91	3	0
11	99	0	0	11	100	4	6
12	108	0	0	12	109	6	0
13	117	0	0	13	118	7	6
14	126	0	0	14	127	9	0
15	135	0	0	15	136	10	6
16	144	0	0	16	146	0	1
17	153	0	0	17	155	1	7
18	162	0	0	18	164	3	1
19	171	0	0	19	173	4	7
20	180	0	0	20	182	6	1
21	189	0	0	21	191	7	7
22	198	0	0	22	200	9	1
23	207	0	0	23	209	10	7
24	216	0	0	24	219	0	1
25	225	0	0	25	228	1	7
26	234	0	0	26	237	3	1
27	243	0	0	27	246	4	7
28	252	0	0	28	255	6	1
29	261	0	0	29	264	7	7
30	270	0	0	30	273	9	1
31	279	0	0	31	282	10	7
32	288	0	0	32	292	0	2
33	297	0	0	33	301	1	8
34	306	0	0	34	310	3	2
35	315	0	0	35	319	4	8
36	324	0	0	36	328	6	2
37	333	0	0	37	337	7	8
38	342	0	0	38	346	9	2
39	351	0	0	39	355	10	8
40	360	0	0	40	365	0	2
41	369	0	0	41	374	1	8
42	378	0	0	42	383	3	2
43	387	0	0	43	392	4	8
44	396	0	0	44	401	6	2
45	405	0	0	45	410	7	8
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	2	3	0 0	$\frac{1}{4}$	2	3	4 6
$\frac{1}{2}$	4	6	0 0	$\frac{1}{2}$	4	6	9 0
$\frac{3}{4}$	6	9	0 0	$\frac{3}{4}$	5	10	1 6

Ft. long	Side 36 $\frac{1}{2}$			Ft. long	Side 36 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	9	3	0	1	9	4	6
2	18	6	0	2	18	9	1
3	27	9	0	3	28	1	7
4	37	0	1	4	37	6	2
5	46	3	1	5	46	10	8
6	55	6	1	6	56	3	3
7	64	9	1	7	65	7	9
8	74	0	2	8	75	0	4
9	83	3	2	9	84	4	11
10	92	6	2	10	93	9	5
11	101	9	2	11	103	2	0
12	111	0	3	12	112	6	6
13	120	3	3	13	121	11	1
14	129	6	3	14	131	3	7
15	138	9	3	15	140	8	2
16	148	0	4	16	150	0	9
17	157	3	4	17	159	5	3
18	166	6	4	18	168	9	10
19	175	9	4	19	178	2	4
20	185	0	5	20	87	6	11
21	194	3	5	21	196	11	5
22	203	6	5	22	206	4	0
23	212	9	5	23	215	8	6
24	222	0	6	24	225	1	1
25	231	3	6	25	234	5	8
26	240	6	6	26	243	10	2
27	249	9	6	27	253	2	9
28	259	0	7	28	262	7	3
29	268	3	7	29	271	11	10
30	277	6	7	30	281	4	4
31	287	9	7	31	290	8	11
32	296	0	8	32	300	1	6
33	305	3	8	33	309	6	0
34	314	6	8	34	318	10	7
35	323	9	8	35	328	3	1
36	333	0	9	36	337	7	8
37	342	3	9	37	347	0	2
38	351	6	9	38	356	4	9
39	360	9	9	39	365	9	3
40	370	0	10	40	375	1	10
41	379	3	10	41	384	6	5
42	388	6	10	42	393	10	11
43	397	9	10	43	403	3	6
44	407	0	11	44	412	8	0
45	416	3	11	45	422	0	7
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	2	3	9 0	$\frac{1}{4}$	2	4	1 6
$\frac{1}{2}$	4	7	6 0	$\frac{1}{2}$	4	8	3 0
$\frac{3}{4}$	6	11	3 0	$\frac{3}{4}$	7	0	4 6

Ft. long	Side 37 Inch.			Ft. long	Side 37 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	9	6	1	1	9	7	7
2	19	0	2	2	19	3	3
3	28	6	3	3	28	10	10
4	38	0	4	4	38	6	6
5	47	6	5	5	48	2	1
6	57	0	6	6	57	9	9
7	66	6	7	7	67	5	4
8	76	0	8	8	77	1	0
9	85	6	9	9	86	8	8
10	95	0	10	10	96	4	3
11	104	6	11	11	105	11	11
12	114	1	0	12	115	7	6
13	123	7	1	13	125	3	2
14	133	1	2	14	134	10	9
15	142	7	3	15	144	6	5
16	152	1	4	16	154	2	1
17	161	7	5	17	163	9	8
18	171	1	6	18	173	5	4
19	180	7	7	19	183	0	11
20	190	1	8	20	192	8	7
21	199	7	9	21	202	4	2
22	209	1	10	22	211	11	10
23	218	7	11	23	221	7	5
24	228	2	0	24	231	3	1
25	237	8	1	25	240	10	9
26	247	2	2	26	250	6	4
27	256	8	3	27	260	2	0
28	266	2	4	28	269	9	9
29	275	8	5	29	279	5	3
30	285	2	6	30	289	0	10
31	294	8	7	31	298	8	6
32	304	2	8	32	308	4	2
33	313	8	9	33	317	11	9
34	323	2	10	34	327	7	5
35	332	8	10	35	337	3	0
36	342	3	0	36	346	10	8
37	351	9	1	37	356	6	3
38	361	3	2	38	366	1	11
39	370	9	3	39	375	9	6
40	380	3	4	40	385	5	2
41	389	9	5	41	395	0	10
42	399	3	6	42	404	8	5
43	408	9	7	43	414	4	1
44	418	3	8	44	423	11	8
45	427	0	9	45	433	7	4
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	2	4	6 3	$\frac{1}{4}$	2	4	10 9
$\frac{1}{2}$	4	9	0 6	$\frac{1}{2}$	4	9	9 6
$\frac{3}{4}$	7	1	6 9	$\frac{3}{4}$	7	2	8 3

Ft. long.	Side 37 $\frac{1}{4}$			Ft. long.	Side 37 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	9	9	2	1	9	10	9
2	19	6	4	2	19	9	6
3	29	3	6	3	29	8	3
4	39	0	9	4	39	7	0
5	48	9	11	5	49	5	9
6	58	7	1	6	59	4	6
7	68	4	3	7	69	3	3
8	78	1	6	8	79	2	0
9	87	10	8	9	89	0	9
10	97	7	10	10	98	11	6
11	107	5	0	11	108	10	3
12	117	2	3	12	118	9	0
13	126	11	5	13	128	7	9
14	136	8	7	14	138	6	6
15	146	5	9	15	148	5	3
16	156	3	0	16	158	4	1
17	166	0	2	17	168	2	10
18	175	9	4	18	178	1	7
19	185	6	6	19	188	0	4
20	195	3	9	20	197	11	1
21	205	0	11	21	207	9	10
22	214	10	1	22	217	8	7
23	224	7	3	23	227	7	4
24	234	4	6	24	237	6	1
25	244	1	8	25	247	4	10
26	253	10	10	26	257	3	7
27	263	8	0	27	267	2	4
28	273	5	3	28	277	1	1
29	283	2	5	29	286	11	10
30	292	11	7	30	296	10	7
31	302	8	9	31	306	9	4
32	312	6	0	32	316	8	2
33	322	3	2	33	326	6	11
34	332	0	4	34	336	5	8
35	341	9	6	35	346	4	5
36	351	6	9	36	356	3	2
37	361	3	11	37	366	1	11
38	371	1	1	38	376	0	8
39	380	10	3	39	385	11	5
40	390	7	6	40	395	10	2
41	400	4	8	41	405	8	11
42	410	1	10	42	415	7	8
43	419	11	0	43	425	6	5
44	429	8	3	44	435	5	2
45	439	5	5	45	445	3	11
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	2	5	3 6	$\frac{1}{4}$	2	5	8 3
$\frac{1}{2}$	4	10	7 0	$\frac{1}{2}$	4	11	4 6
$\frac{3}{4}$	7	3	10 6	$\frac{3}{4}$	7	5	0 9

Ft. long	Side 38 Inch.			Ft. long	Side 38 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	10	0	4	1	10	1	11
2	20	0	8	2	20	3	10
3	30	1	0	3	30	5	9
4	40	1	4	4	40	7	8
5	50	1	8	5	50	9	7
6	60	2	0	6	60	11	6
7	70	2	4	7	71	1	5
8	80	2	8	8	81	3	4
9	90	3	0	9	91	5	3
10	100	3	4	10	101	7	2
11	110	3	8	11	111	9	1
12	120	4	0	12	121	11	0
13	130	4	4	13	132	0	11
14	140	4	8	14	142	2	10
15	150	5	0	15	152	4	9
16	160	5	4	16	162	6	8
17	170	5	8	17	172	8	7
18	180	6	0	18	182	10	6
19	190	6	4	19	193	0	5
20	200	6	8	20	203	2	4
21	210	7	0	21	213	4	3
22	220	7	4	22	223	6	2
23	230	7	8	23	233	8	1
24	240	8	0	24	243	10	0
25	250	8	4	25	254	0	11
26	260	8	8	26	264	1	10
27	270	9	0	27	274	3	9
28	280	9	4	28	284	5	8
29	290	9	8	29	294	7	7
30	300	10	0	30	304	9	6
31	310	10	4	31	314	11	5
32	320	10	8	32	325	1	4
33	330	11	0	33	335	3	3
34	340	11	4	34	345	5	2
35	350	11	8	35	355	7	1
36	360	0	0	36	365	9	0
37	371	0	4	37	375	11	11
38	381	0	8	38	386	1	10
39	391	1	0	39	396	2	9
40	401	1	4	40	406	4	8
41	411	1	8	41	416	6	7
42	421	2	0	42	426	8	6
43	431	2	4	43	436	10	5
44	441	2	8	44	447	0	4
45	451	3	0	45	457	2	3
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa.S.		Ft.	In.	Pa.S.
$\frac{1}{4}$	2	6	10	$\frac{1}{4}$	2	6	59
$\frac{1}{2}$	5	0	20	$\frac{1}{2}$	5	0	116
$\frac{3}{4}$	7	6	30	$\frac{3}{4}$	7	7	53

Ft. long	Side 35 $\frac{1}{2}$			Ft. long	Side 38 $\frac{3}{4}$		
	Ft.	In.	Pa.		ft.	ln.	Pa.
1	10	3	6	1	10	5	1
2	20	7	0	2	20	10	3
3	30	10	6	3	31	3	4
4	41	2	1	4	41	8	6
5	51	5	7	5	52	1	7
6	61	9	1	6	62	6	9
7	72	0	7	7	72	11	10
8	82	4	2	8	83	5	0
9	92	7	8	9	93	10	2
10	102	11	2	10	104	3	3
11	113	2	8	11	114	8	5
12	123	6	3	12	125	1	6
13	133	9	9	13	135	6	8
14	144	1	3	14	145	11	9
15	154	4	9	15	156	4	11
16	164	8	4	16	166	10	1
17	174	11	10	17	177	3	2
18	185	3	4	18	187	8	4
19	195	6	10	19	198	1	5
20	205	10	5	20	208	6	7
21	216	1	11	21	218	11	8
22	226	5	5	22	229	4	10
23	236	8	11	23	239	9	11
24	247	0	6	24	250	3	1
25	257	4	0	25	260	8	3
26	267	7	6	26	271	1	4
27	277	11	0	27	281	6	6
28	283	2	7	28	291	11	7
29	298	6	1	29	302	4	9
30	308	9	7	30	312	9	10
31	319	1	1	31	323	3	0
32	329	4	8	32	333	8	2
33	339	8	2	33	344	1	3
34	349	11	8	34	354	6	5
35	360	3	2	35	364	11	6
36	370	6	9	36	375	4	8
37	380	10	3	37	385	9	9
38	391	1	9	38	396	2	11
39	401	5	3	39	406	8	0
40	411	8	10	40	417	1	2
41	422	0	4	41	427	6	4
42	432	3	10	42	437	11	5
43	442	7	4	43	448	4	7
44	452	10	11	44	458	9	8
45	463	2	5	45	469	2	10
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	ln.	Pa. S.		Ft.	ln.	Pa. S.
$\frac{1}{4}$	2	6	10 6	$\frac{1}{4}$	2	7	3 3
$\frac{1}{2}$	5	1	9 8	$\frac{1}{2}$	5	2	6 6
$\frac{3}{4}$	7	8	7 6	$\frac{3}{4}$	7	9	9 9

Ft. long	Side 39 Inch.			Ft. long	Side 39 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	10	6	9	1	10	8	4
2	21	1	6	2	21	4	9
3	31	8	3	3	32	1	1
4	42	3	0	4	42	9	6
5	52	9	9	5	53	5	10
6	63	4	6	6	64	2	3
7	73	11	3	7	74	10	7
8	84	6	0	8	85	7	0
9	95	0	9	9	96	3	5
10	105	7	6	10	106	11	9
11	116	2	3	11	117	8	2
12	126	9	0	12	128	4	6
13	137	3	9	13	139	0	11
14	147	10	6	14	149	9	3
15	158	5	3	15	160	5	8
16	169	0	0	16	171	2	1
17	179	6	9	17	181	10	5
18	190	1	6	18	192	6	10
19	200	8	3	19	203	3	2
20	211	3	0	20	213	11	7
21	221	9	9	21	224	7	11
22	232	4	6	22	235	4	4
23	242	11	3	23	246	0	8
24	253	6	0	24	256	9	1
25	264	0	9	25	267	5	6
26	274	7	6	26	278	1	10
27	285	2	3	27	288	10	3
28	295	9	0	28	299	6	7
29	306	3	9	29	310	3	0
30	316	10	6	30	320	11	4
31	327	5	3	31	331	7	9
32	338	0	0	32	342	4	2
33	348	6	9	33	353	0	6
34	359	1	6	34	363	8	11
35	369	8	3	35	374	5	3
36	380	3	0	36	385	1	8
37	390	9	9	37	395	10	0
38	401	4	6	38	406	6	5
39	411	11	3	39	417	2	9
40	422	6	0	40	427	11	2
41	433	0	9	41	438	7	7
42	443	7	6	42	449	3	11
43	454	2	3	43	460	0	4
44	464	9	0	44	470	8	8
45	475	3	9	45	481	5	1
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	2	7	8 3	$\frac{1}{4}$	2	8	1 0
$\frac{1}{2}$	5	3	4 6	$\frac{1}{2}$	5	4	2 0
$\frac{3}{4}$	7	11	0 9	$\frac{3}{4}$	8	0	3 0

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Ft. long	Side 39 $\frac{1}{2}$			Ft. long	Side 39 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	10	10	0	1	10	11	8
2	21	8	0	2	21	11	4
3	32	6	0	3	32	11	0
4	43	4	1	4	43	10	8
5	54	2	1	5	54	10	4
6	65	0	1	6	65	10	0
7	75	10	1	7	76	9	8
8	86	8	2	8	87	9	4
9	97	6	2	9	98	9	0
10	108	4	2	10	109	8	8
11	119	2	2	11	120	8	4
12	130	0	3	12	131	8	0
13	140	10	3	13	142	7	8
14	151	8	3	14	153	7	4
15	162	6	3	15	164	7	0
16	173	4	4	16	175	6	9
17	184	2	4	17	186	6	5
18	195	0	4	18	197	6	1
19	205	10	4	19	208	5	9
20	216	8	5	20	219	5	5
21	227	6	5	21	230	5	1
22	238	4	5	22	241	4	9
23	249	2	5	23	252	4	5
24	260	0	6	24	263	4	1
25	270	10	6	25	274	3	9
26	281	8	6	26	285	3	5
27	292	6	6	27	296	3	1
28	303	4	7	28	307	2	9
29	314	2	7	29	318	2	5
30	325	0	7	30	329	2	1
31	335	10	7	31	340	1	9
32	346	8	8	32	351	1	6
33	357	6	8	33	362	1	2
34	368	4	8	34	373	0	10
35	379	2	8	35	384	0	6
36	390	0	9	36	395	0	2
37	400	10	9	37	405	11	10
38	411	8	9	38	416	11	6
39	422	6	9	39	427	11	2
40	433	4	10	40	438	10	10
41	444	2	10	41	449	10	6
42	455	0	10	42	460	10	2
43	465	10	10	43	471	9	10
44	475	8	11	44	482	9	6
45	487	6	11	45	493	9	2
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	2	8	6 0	$\frac{1}{4}$	2	8	11 0
$\frac{1}{2}$	5	5	0 0	$\frac{1}{2}$	5	5	10 0
$\frac{3}{4}$	8	1	6 0	$\frac{3}{4}$	8	2	9 0

Ft. long	Side 40 Inch.			Ft. long	Side 40 $\frac{1}{2}$				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	11	1	4	1	11	3	0		
2	22	2	8	2	22	6	0		
3	33	4	0	3	33	9	0		
4	44	5	4	4	45	0	0		
5	55	6	8	5	56	3	0		
6	66	8	0	6	67	6	0		
7	77	9	4	7	78	9	0		
8	88	10	8	8	90	0	0		
9	100	0	0	9	101	3	0		
10	111	1	4	10	112	6	0		
11	22	2	8	11	123	9	0		
12	133	4	0	12	135	0	0		
13	144	5	4	13	146	3	0		
14	155	6	8	14	157	6	0		
15	166	8	0	15	168	9	0		
16	177	9	4	16	180	0	1		
17	188	10	8	17	191	3	1		
18	200	0	0	18	202	6	1		
19	211	1	4	19	213	9	1		
20	222	2	8	20	225	0	1		
21	233	4	0	21	236	3	1		
22	244	5	4	22	247	6	1		
23	255	6	8	23	258	9	1		
24	266	8	0	24	270	0	1		
25	277	9	4	25	281	3	1		
26	288	10	8	26	292	6	1		
27	300	0	0	27	303	9	1		
28	311	1	4	28	315	0	1		
29	322	2	8	29	326	3	1		
30	333	4	0	30	337	6	1		
31	344	5	4	31	348	9	1		
32	355	6	8	32	360	0	2		
33	366	8	0	33	371	3	2		
34	377	9	4	34	382	6	2		
35	388	10	8	35	393	9	2		
36	400	0	0	36	405	0	2		
37	411	1	4	37	416	3	2		
38	422	2	8	38	427	6	2		
39	433	4	0	39	438	9	2		
40	444	5	4	40	450	0	2		
41	455	6	8	41	461	3	2		
42	466	8	0	42	472	6	2		
43	477	9	4	43	483	9	2		
44	488	10	8	44	495	0	2		
45	500	0	0	45	506	3	2		
Quarters of a Foot.				Quarters of a Foot.					
Ft. In. Pa. S.				Ft. In. Pa. S.					
$\frac{1}{4}$	2	9	4	0	$\frac{3}{4}$	2	9	9	0
$\frac{1}{2}$	5	6	8	0	$\frac{1}{2}$	5	7	6	0
$\frac{3}{4}$	8	4	0	0	$\frac{1}{4}$	8	5	3	0

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Ft. long	Side 40 $\frac{1}{2}$			Ft. long	Side 40 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	11	4	8	1	11	6	4
2	22	9	4	2	23	0	9
3	34	2	0	3	34	7	1
4	45	6	9	4	46	1	6
5	56	11	5	5	57	7	10
6	63	4	1	6	69	2	3
7	79	8	9	7	80	8	7
8	91	1	6	8	92	3	0
9	102	6	2	9	103	9	5
10	113	10	10	10	115	3	9
11	125	3	6	11	126	10	2
12	136	8	3	12	138	4	6
13	143	0	10	13	149	10	11
14	159	5	7	14	161	5	3
15	170	10	3	15	172	11	8
16	182	3	0	16	184	6	1
17	193	7	8	17	196	0	5
18	205	0	4	18	207	6	10
19	216	5	0	19	219	1	2
20	227	9	9	20	230	7	7
21	239	2	5	21	242	1	11
22	250	7	1	22	253	8	4
23	261	11	9	23	265	2	8
24	273	4	6	24	276	9	1
25	284	9	2	25	289	3	6
26	296	1	10	26	299	9	10
27	307	6	6	27	311	4	3
28	318	11	3	28	322	10	7
29	330	3	11	29	334	5	0
30	341	8	7	30	345	11	4
31	353	1	3	31	357	5	9
32	364	6	0	32	369	0	2
33	375	10	8	33	380	6	6
34	387	3	4	34	392	0	11
35	398	8	0	35	403	7	3
36	410	0	9	36	415	1	8
37	421	5	5	37	426	8	0
38	432	10	1	38	438	2	5
39	444	2	9	39	449	8	9
40	455	7	6	40	461	3	2
41	467	0	2	41	472	9	7
42	478	4	10	42	484	3	11
43	489	9	6	43	495	10	4
44	501	2	3	44	507	4	8
45	512	6	11	45	518	11	1
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	2	10	2 0	$\frac{1}{4}$	2	10	7 0
$\frac{1}{2}$	5	8	4 0	$\frac{1}{2}$	5	9	2 0
$\frac{3}{4}$	8	6	6 0	$\frac{3}{4}$	8	7	9 0

Ft. long	Side 41 inch.			Ft. long	Side 41 $\frac{1}{2}$		
	Ft.	In.	Pa		Ft.	In.	Pa
1	11	8	1	1	11	9	9
2	23	4	2	2	23	7	7
3	35	0	3	3	35	5	4
4	46	8	4	4	47	3	2
5	58	4	5	5	59	0	11
6	70	0	6	6	79	10	9
7	81	8	7	7	82	8	6
8	93	4	8	8	94	6	4
9	105	0	9	9	106	4	2
10	116	8	10	10	118	1	11
11	128	4	11	11	129	11	9
12	140	1	0	12	141	9	6
13	151	9	1	13	153	7	4
14	163	5	2	14	165	1	10
15	175	1	3	15	177	2	11
16	186	9	4	16	189	0	9
17	198	5	5	17	200	10	6
18	210	1	6	18	214	8	4
19	221	9	7	19	222	6	1
20	233	5	8	20	236	3	11
21	245	1	9	21	248	1	8
22	256	9	10	22	259	11	6
23	268	5	11	23	271	9	3
24	280	2	0	24	283	7	1
25	291	10	1	25	295	4	11
26	303	6	2	26	307	2	8
27	315	2	3	27	319	0	6
28	326	10	4	28	330	10	3
29	338	6	5	29	342	8	1
30	350	2	6	30	354	5	10
31	361	10	7	31	366	3	8
32	373	6	8	32	378	1	6
33	385	2	9	33	389	11	3
34	396	10	10	34	401	9	1
35	408	6	11	35	413	6	10
36	420	3	0	36	425	4	8
37	431	11	1	37	437	2	5
38	443	7	2	38	449	0	3
39	455	3	3	39	460	10	0
40	466	11	4	40	472	7	10
41	478	7	5	41	484	5	8
42	490	3	6	42	496	3	5
43	501	11	7	43	508	1	3
44	513	7	8	44	519	11	0
45	525	3	9	45	531	8	10
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa S.		Ft.	In.	Pa S.
$\frac{1}{4}$	2	11	0 3	$\frac{1}{4}$	2	11	5 3
$\frac{1}{2}$	5	10	0 6	$\frac{1}{2}$	5	10	10 6
$\frac{3}{4}$	8	9	0 9	$\frac{3}{4}$	8	10	3 9

Ft. long	Side 41 $\frac{1}{2}$			Ft. long	Side 41 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	11	11	0	1	12	1	3
2	23	11	0	2	24	2	6
3	35	10	0	3	36	3	9
4	47	10	1	4	48	5	0
5	59	9	7	5	60	6	3
6	71	9	1	6	72	7	6
7	83	8	7	7	84	8	9
8	95	8	2	8	96	10	0
9	107	7	8	9	108	11	3
10	119	7	2	10	121	0	6
11	131	6	8	11	133	1	9
12	143	6	3	12	145	3	0
13	155	5	9	13	157	4	3
14	167	5	3	14	169	5	6
15	179	4	9	15	181	6	9
16	191	4	4	16	193	8	1
17	203	3	10	17	205	9	4
18	215	3	4	18	217	10	7
19	227	2	10	19	229	11	10
20	239	2	5	20	242	1	1
21	251	1	11	21	254	2	4
22	263	1	5	22	266	3	7
23	275	0	11	23	278	4	10
24	287	0	6	24	290	6	1
25	299	0	0	25	302	7	4
26	310	11	6	26	314	8	7
27	322	11	0	27	326	9	10
28	334	10	7	28	338	11	1
29	346	10	1	29	351	0	4
30	358	9	7	30	363	1	7
31	370	9	1	31	375	2	10
32	382	8	8	32	387	4	2
33	394	8	2	33	399	5	5
34	406	7	8	34	411	6	8
35	418	7	2	35	423	7	11
36	430	6	9	36	435	9	2
37	442	6	3	37	445	10	5
38	454	5	9	38	459	11	8
39	466	5	3	39	472	0	11
40	478	4	10	40	484	2	2
41	490	4	4	41	496	3	5
42	502	3	10	42	508	4	8
43	514	3	4	43	520	5	11
44	526	2	11	44	532	7	2
45	538	2	5	45	544	8	5
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	2	11	9 0	$\frac{1}{4}$	3	0	3 9
$\frac{2}{4}$	5	11	6 0	$\frac{1}{2}$	6	0	7 6
$\frac{3}{4}$	8	11	3 0	$\frac{3}{4}$	9	0	11 3

Ft. long	Side 42 Inch.			Ft. long	Side 42 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	12	3	0	1	2	4	8
2	24	6	0	2	24	9	4
3	36	9	0	3	37	2	0
4	49	0	0	4	49	6	8
5	61	3	0	5	61	11	4
6	73	6	0	6	74	4	0
7	85	9	0	7	86	8	8
8	98	0	0	8	99	1	4
9	110	3	0	9	111	6	0
10	122	6	0	10	123	10	8
11	134	9	0	11	136	3	4
12	147	0	0	12	148	8	0
13	159	3	0	13	161	0	8
14	171	6	0	14	173	5	4
15	183	9	0	15	185	10	0
16	196	0	0	16	198	2	9
17	208	3	0	17	210	7	5
18	220	6	0	18	223	0	1
19	232	9	0	19	235	4	9
20	245	0	0	20	247	9	5
21	257	3	0	21	260	2	1
22	269	6	0	22	272	6	9
23	281	9	0	23	284	11	5
24	294	0	0	24	297	4	1
25	306	3	0	25	309	8	9
26	318	6	0	26	322	1	5
27	330	9	0	27	334	6	1
28	343	0	0	28	346	10	9
29	355	3	0	29	359	3	5
30	367	6	0	30	371	8	1
31	379	9	0	31	384	0	9
32	392	0	0	32	396	5	6
33	404	3	0	33	408	10	2
34	416	6	0	34	421	2	10
35	428	9	0	35	433	7	6
36	441	0	0	36	446	0	2
37	453	3	0	37	458	4	10
38	465	6	0	38	470	9	6
39	477	9	0	39	483	2	2
40	490	0	0	40	495	6	10
41	502	3	0	41	509	11	6
42	514	6	0	42	520	4	2
43	526	9	0	43	532	8	10
44	539	0	0	44	545	1	6
45	551	3	0	45	557	6	2
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	3	0	9 0	$\frac{1}{4}$	3	1	2 0
$\frac{1}{2}$	6	1	6 0	$\frac{1}{2}$	6	2	4 0
$\frac{3}{4}$	9	2	3 0	$\frac{3}{4}$	9	3	6 0

OF SOLID MEASURE. 105

Ft. long	Side 42 $\frac{1}{2}$			Ft. long	Side 42 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	12	6	6	1	12	8	3
2	25	1	0	2	25	4	7
3	37	7	6	3	38	0	10
4	50	2	1	4	50	9	2
5	62	8	7	5	63	5	5
6	75	3	1	6	76	1	9
7	87	9	7	7	88	10	0
8	100	4	2	8	101	6	4
9	112	10	8	9	114	2	8
10	125	5	2	10	126	10	11
11	137	11	8	11	139	7	3
12	150	6	3	12	152	3	6
13	163	0	9	13	164	11	10
14	175	7	3	14	177	8	1
15	188	1	9	15	190	4	5
16	200	8	4	16	203	0	9
17	213	2	10	17	215	9	0
18	225	9	4	18	228	5	4
19	238	3	10	19	241	1	7
20	250	10	5	20	253	9	11
21	263	4	11	21	266	6	2
22	275	11	5	22	279	2	6
23	288	5	11	23	291	10	9
24	301	0	6	24	304	7	1
25	313	7	0	25	317	3	5
26	325	1	6	26	329	11	8
27	338	8	0	27	342	8	0
28	351	2	7	28	355	4	3
29	363	9	1	29	368	0	7
30	370	3	7	30	389	8	10
31	388	10	1	31	393	5	2
32	401	4	8	32	406	1	6
33	413	11	2	33	418	9	9
34	426	5	8	34	431	6	1
35	439	0	2	35	444	2	4
36	451	6	9	36	456	10	8
37	464	1	3	37	469	6	11
38	476	7	9	38	482	3	3
39	487	2	3	39	494	11	6
40	501	8	10	40	507	7	10
41	514	3	4	41	520	4	2
42	526	9	10	42	533	0	5
43	539	4	4	43	545	8	9
44	551	10	11	44	558	5	0
45	564	5	5	45	571	1	4
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	3	1	7 6	$\frac{1}{4}$	3	2	0 9
$\frac{2}{4}$	6	3	3 0	$\frac{2}{4}$	6	4	1 6
$\frac{3}{4}$	9	4	10 6	$\frac{3}{4}$	9	6	2 3

Ft. long	Side 43 Inch.			Ft. long	Side 43 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	12	10	1	1	12	11	10
2	25	8	2	2	25	11	9
3	38	6	3	3	38	11	7
4	51	4	4	4	51	11	6
5	64	2	5	5	64	11	4
6	77	0	6	6	77	11	3
7	89	10	7	7	90	11	1
8	102	8	8	8	103	11	0
9	115	6	9	9	116	10	11
10	128	4	10	10	129	10	9
11	141	2	11	11	142	10	8
12	154	1	0	12	155	10	6
13	166	11	1	13	168	10	5
14	179	9	2	14	181	10	3
15	192	7	3	15	194	10	2
16	205	5	4	16	207	10	1
17	218	3	5	17	220	9	11
18	231	1	6	18	233	9	10
19	243	11	7	19	246	9	8
20	256	9	8	20	259	9	7
21	269	7	9	21	272	9	5
22	282	5	10	22	285	9	4
23	295	3	11	23	298	9	2
24	308	2	0	24	311	9	1
25	321	0	1	25	324	9	0
26	333	10	2	26	337	8	10
27	346	8	3	27	350	8	9
28	359	6	4	28	363	8	7
29	372	4	5	29	376	8	6
30	385	2	6	30	389	8	4
31	398	0	7	31	402	8	3
32	410	10	8	32	415	8	2
33	423	8	9	33	428	8	0
34	436	6	10	34	441	7	11
35	449	4	11	35	454	7	9
36	462	3	0	36	467	7	8
37	475	1	1	37	480	7	6
38	487	11	2	38	493	7	5
39	500	9	3	39	506	7	3
40	513	7	4	40	519	7	2
41	526	5	5	41	532	7	1
42	539	3	6	42	545	6	11
43	552	1	7	43	558	6	10
44	564	11	8	44	571	6	8
45	577	9	9	45	584	6	7
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
1	3	2	6 3	1	3	2 11	6
2	6	5	0 6	2	6	5 11	0
3	9	7	6 9	3	9	8 10	6

Ft. long	Side 43 $\frac{1}{2}$			Ft. long	Side 43 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	13	1	8	1	13	3	6
2	26	3	4	2	26	7	0
3	39	5	0	3	39	10	6
4	52	6	9	4	53	2	0
5	65	8	5	5	66	5	6
6	78	10	1	6	79	9	0
7	91	11	9	7	83	0	6
8	105	1	6	8	106	4	0
9	118	3	2	9	119	7	6
10	131	4	10	10	132	11	0
11	144	6	6	11	146	2	6
12	157	8	3	12	159	5	0
13	170	9	11	13	172	9	6
14	183	11	7	14	186	1	0
15	197	1	3	15	199	4	6
16	210	3	0	16	212	8	1
17	223	4	8	17	225	11	7
18	236	6	4	18	239	3	1
19	249	8	0	19	252	6	7
20	262	9	9	20	265	10	1
21	275	11	5	21	279	1	7
22	289	1	1	22	292	5	1
23	302	2	9	23	305	8	7
24	315	4	6	24	319	0	1
25	328	6	2	25	332	3	7
26	341	7	10	26	345	7	1
27	354	9	6	27	358	10	7
28	367	11	3	28	372	2	1
29	381	0	11	29	385	5	7
30	394	2	7	30	398	9	1
31	407	4	3	31	412	0	7
32	420	6	0	32	425	4	2
33	433	7	8	33	438	7	8
34	446	9	4	34	451	11	2
35	459	11	0	35	465	2	8
36	473	0	9	36	478	6	2
37	486	2	5	37	491	9	8
38	499	4	1	38	505	1	2
39	512	5	9	39	518	4	8
40	525	7	6	40	531	8	2
41	538	9	2	41	544	11	8
42	551	10	10	42	558	3	2
43	565	0	6	43	571	6	8
44	578	2	3	44	584	10	2
45	591	3	11	45	598	1	8
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa.S.		Ft.	In.	Pa.S.
1	3	3	5 0	1	3	3	10 6
2	6	6	10 0	2	6	7	9 0
3	9	10	3 0	3	6	11	7 6

Ft. long	Side 44 Inch.			Ft. long	Side 44 $\frac{1}{2}$				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	13	5	4	1	13	7	2		
2	25	10	8	2	27	2	4		
3	40	4	0	3	40	9	6		
4	53	9	4	4	54	4	8		
5	67	2	8	5	67	11	10		
6	80	8	0	6	81	7	0		
7	94	1	4	7	95	2	2		
8	107	6	8	8	108	9	4		
9	121	0	0	9	122	4	6		
10	134	5	4	10	125	11	8		
11	147	10	8	11	140	6	10		
12	161	4	0	12	163	2	0		
13	174	9	4	13	176	9	2		
14	188	2	8	14	180	4	4		
15	201	8	0	15	203	11	6		
16	215	1	4	16	217	6	9		
17	228	6	8	17	231	1	11		
18	242	0	0	18	244	9	1		
19	255	5	4	19	258	4	3		
20	268	10	8	20	271	11	5		
21	282	4	0	21	285	6	7		
22	295	9	4	22	299	1	9		
23	309	2	8	23	312	8	11		
24	322	8	0	24	326	4	1		
25	336	1	4	25	339	11	3		
26	349	6	8	26	353	6	5		
27	363	0	0	27	367	1	7		
28	376	5	4	28	380	8	9		
29	389	10	8	29	394	3	11		
30	403	4	0	30	407	11	1		
31	416	9	4	31	421	6	3		
32	430	2	8	32	435	1	6		
33	443	8	0	33	448	8	8		
34	457	1	4	34	462	3	10		
35	470	6	8	35	475	11	0		
36	484	0	0	36	489	6	2		
37	497	5	4	37	503	1	4		
38	510	10	8	38	516	8	6		
39	524	4	0	39	530	3	8		
40	537	9	4	40	543	10	10		
41	551	2	8	41	557	6	0		
42	564	8	0	42	571	1	2		
43	578	1	4	43	584	8	4		
44	591	6	8	44	598	3	6		
45	605	0	0	45	611	10	8		
Quarters of a Foot.				Quarters of a Foot.					
Ft. In. Pa. S.				Ft. In. Pa. S.					
$\frac{1}{4}$	3	4	4	0	$\frac{1}{4}$	3	4	9	6
$\frac{2}{4}$	6	8	8	0	$\frac{2}{4}$	6	0	7	0
$\frac{3}{4}$	10	1	0	0	$\frac{3}{4}$	10	2	4	6

Of SOLID MEASURE. 169

Ft. long	Side 44 $\frac{1}{2}$			Ft. long	Side 44 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	13	9	0	1	13	10	10
2	27	6	0	2	27	9	9
3	41	3	0	3	41	8	7
4	55	0	1	4	55	7	6
5	68	9	1	5	69	6	4
6	82	6	1	6	83	5	3
7	96	3	1	7	97	4	1
8	110	0	2	8	111	3	0
9	123	9	2	9	125	1	11
10	137	6	2	10	139	0	9
11	151	3	2	11	152	11	8
12	165	0	3	12	166	10	6
13	178	9	3	13	180	9	5
14	192	6	3	14	194	8	3
15	206	3	3	15	208	7	2
16	220	0	4	16	222	6	1
17	233	9	4	17	236	4	11
18	247	6	4	18	250	3	10
19	261	3	4	19	264	2	8
20	275	0	5	20	278	1	7
21	288	9	5	21	292	0	5
22	302	6	5	22	305	11	4
23	316	3	5	23	319	10	2
24	330	0	6	24	333	9	1
25	343	9	6	25	347	8	0
26	357	6	6	26	361	6	10
27	371	3	6	27	375	5	9
28	385	0	7	28	389	4	7
29	398	9	7	29	403	3	6
30	412	6	7	30	417	2	4
31	426	3	7	31	431	1	3
32	440	0	8	32	445	0	2
33	453	9	8	33	458	11	0
34	467	6	8	34	472	9	11
35	481	3	8	35	486	8	9
36	495	0	9	36	500	7	8
37	508	9	9	37	514	6	6
38	522	6	9	38	528	5	5
39	536	3	9	39	542	4	3
40	550	0	10	40	556	3	2
41	563	9	10	41	570	2	1
42	577	6	10	42	584	0	11
43	591	3	10	43	597	11	10
44	605	0	11	44	611	10	8
45	618	9	11	45	625	9	7
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	3	5	3 0	$\frac{1}{4}$	3	5	8 6
$\frac{1}{2}$	6	10	6 0	$\frac{1}{2}$	6	11	5 0
$\frac{3}{4}$	10	3	9 0	$\frac{3}{4}$	10	5	1 6

Ft. long	Side 45 Inch.			Ft. long	Side 45 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	14	0	9	1	14	2	7
2	28	1	6	2	28	5	3
3	42	2	3	3	42	7	10
4	56	3	0	4	56	10	6
5	70	3	9	5	71	1	1
6	84	4	6	6	85	3	9
7	98	5	3	7	99	6	4
8	112	6	0	8	113	9	0
9	126	6	9	9	127	11	8
10	140	7	6	10	142	2	3
11	154	8	3	11	156	4	11
12	168	9	0	12	170	7	6
13	182	9	9	13	184	10	2
14	196	10	6	14	199	0	9
15	210	11	3	15	213	3	5
16	224	0	0	16	227	6	1
17	239	0	9	17	241	8	8
18	253	1	6	18	255	11	4
19	267	2	3	19	270	1	11
20	281	3	0	20	284	4	7
21	295	3	9	21	298	7	2
22	309	4	6	22	312	9	10
23	323	5	3	23	327	0	5
24	337	6	0	24	341	3	1
25	351	6	9	25	355	5	9
26	365	7	6	26	366	8	4
27	379	8	3	27	383	11	0
28	393	9	0	28	398	1	7
29	407	9	9	29	412	4	3
30	421	10	6	30	426	6	10
31	435	11	3	31	447	9	6
32	450	0	0	32	455	0	2
33	464	0	9	33	469	2	9
34	478	1	6	34	483	5	5
35	492	2	3	35	497	8	0
36	506	3	0	36	511	10	8
37	520	3	9	37	526	1	3
38	534	4	6	38	540	3	11
39	548	5	3	39	554	6	6
40	562	6	0	40	568	9	2
41	576	6	9	41	582	11	10
42	590	7	6	42	597	2	5
43	604	8	3	43	611	5	1
44	618	9	0	44	625	7	8
45	632	9	9	45	639	10	4
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	3	6	2 3	$\frac{1}{4}$	3	6	7 9
$\frac{1}{2}$	7	0	4 6	$\frac{1}{2}$	7	1	3 6
$\frac{3}{4}$	10	6	6 9	$\frac{3}{4}$	10	7	11 3

Ft. long	Side 45 $\frac{1}{2}$			Ft. long	Side 45 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	14	4	6	1	14	6	5
2	28	9	0	2	29	0	10
3	43	1	6	3	43	7	3
4	57	6	1	4	58	1	8
5	71	10	7	5	72	8	1
6	86	3	1	6	87	2	6
7	100	7	7	7	101	8	11
8	115	0	2	8	116	3	4
9	129	4	8	9	130	9	9
10	143	9	2	10	145	4	2
11	158	1	8	11	159	10	7
12	172	6	3	12	174	5	0
13	186	10	9	13	188	11	5
14	201	3	3	14	203	5	10
15	215	7	9	15	218	0	3
16	230	0	4	16	232	6	9
17	244	4	10	17	247	1	2
18	258	9	4	18	261	7	7
19	273	1	10	19	276	2	0
20	287	6	5	20	390	8	5
21	301	10	11	21	305	2	10
22	316	3	5	22	319	9	3
23	330	7	11	23	334	3	8
24	345	0	6	24	348	19	1
25	359	5	0	25	353	4	6
26	373	9	6	26	377	10	11
27	388	2	0	27	392	5	4
28	402	6	7	28	406	11	9
29	416	11	1	29	421	6	2
30	431	3	7	30	436	0	7
31	445	8	1	31	450	7	0
32	460	0	8	32	465	1	6
33	474	5	2	33	479	7	11
34	488	9	8	34	494	2	4
35	503	2	2	35	508	8	9
36	517	6	9	36	523	3	2
37	531	11	3	37	537	9	7
38	546	3	9	38	552	4	0
39	560	8	3	39	566	10	5
40	575	0	10	40	81	4	10
41	589	5	4	41	595	11	3
42	603	9	10	42	610	5	8
43	618	2	4	43	625	0	1
44	632	6	11	44	639	6	6
45	646	11	5	45	654	0	11
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	3	7	1 6	$\frac{1}{4}$	3	7	7 3
$\frac{2}{4}$	7	2	3 0	$\frac{2}{4}$	7	3	2 6
$\frac{3}{4}$	10	9	4 6	$\frac{3}{4}$	10	10	9 9

Ft. long	Side 46 Inch.			Ft. long	Side 46 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	14	8	4	1	14	10	3
2	29	4	8	2	29	8	6
3	44	1	0	3	44	6	9
4	58	9	4	4	59	5	0
5	73	5	8	5	74	3	3
6	88	2	0	6	89	1	6
7	102	10	4	7	103	11	9
8	117	6	8	8	118	10	0
9	132	3	0	9	133	8	3
10	146	11	4	10	148	6	6
11	161	7	8	11	163	4	9
12	176	4	0	12	178	3	0
13	191	0	4	13	193	1	3
14	205	8	8	14	207	11	6
15	220	5	0	15	222	9	9
16	235	1	4	16	237	8	1
17	249	9	8	17	252	6	4
18	264	6	0	18	267	4	7
19	279	2	4	19	282	2	10
20	293	10	8	20	297	1	1
21	308	7	0	21	311	11	4
22	323	3	4	22	326	9	7
23	337	11	8	23	341	7	10
24	352	8	0	24	356	6	1
25	367	4	4	25	371	4	4
26	382	0	8	26	386	2	7
27	396	9	0	27	401	0	10
28	411	5	4	28	415	11	1
29	426	1	8	29	430	9	4
30	440	10	0	30	445	7	7
31	455	6	4	31	460	5	10
32	470	2	8	32	475	4	2
33	484	11	0	33	490	2	5
34	499	7	4	34	505	0	8
35	514	3	8	35	519	10	11
36	529	0	0	36	534	9	2
37	543	8	4	37	549	7	5
38	558	4	8	38	564	5	8
39	573	1	0	39	579	3	11
40	587	9	4	40	594	2	2
41	602	5	8	41	609	0	5
42	617	2	0	42	623	10	8
43	631	10	4	43	638	8	11
44	646	6	8	44	653	7	2
45	661	3	0	45	668	5	5
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
1	3	8	10	1	3	8	69
2	7	5	20	2	7	4	16
3	11	1	30	3	11	0	83

Ft. long	Side 46 $\frac{1}{2}$			Ft. long	Side 46 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	15	0	2	1	15	2	1
2	30	0	4	2	30	4	3
3	45	0	6	3	45	6	4
4	60	0	9	4	60	8	6
5	75	0	11	5	75	10	7
6	90	1	1	6	91	0	9
	105	1	3	7	106	2	10
8	120	1	6	8	121	5	0
9	135	1	8	9	136	7	2
10	150	1	10	10	151	9	3
11	165	2	0	11	166	11	5
12	180	2	3	12	182	1	6
13	195	2	5	13	197	3	8
14	210	2	7	14	212	5	9
15	225	2	9	15	227	7	11
16	240	3	0	16	242	10	1
17	255	3	2	17	258	0	2
18	270	3	4	18	273	2	4
19	285	3	6	19	288	4	5
20	300	3	9	20	303	6	7
21	315	3	11	21	318	8	8
22	330	4	1	22	333	10	10
23	345	4	3	23	349	0	11
24	360	4	6	24	364	3	1
25	375	4	8	25	379	5	3
26	390	4	10	26	394	7	4
27	405	5	0	27	409	9	6
28	420	5	3	28	424	11	7
29	435	5	5	29	440	1	9
30	450	5	7	30	455	3	10
31	465	5	9	31	470	6	0
32	480	6	0	32	485	8	2
33	495	6	2	33	500	10	3
34	510	6	4	34	516	0	5
35	525	6	6	35	531	2	6
36	540	6	9	36	546	4	8
37	555	6	11	37	561	6	9
38	570	7	1	38	576	8	11
39	585	7	3	39	591	11	0
40	600	7	6	40	607	1	2
41	615	7	8	41	622	3	4
42	630	7	10	42	637	5	5
43	645	8	0	43	652	7	7
44	660	8	3	44	667	9	8
45	675	8	5	45	682	11	10
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	3	9	0 6	$\frac{1}{4}$	3	9	6 3
$\frac{1}{2}$	7	6	1 0	$\frac{1}{2}$	7	7	0 6
$\frac{3}{4}$	11	3	1 6	$\frac{3}{4}$	11	4	6 0

Ft. long	Side 47 Inch.			Ft. long	Side 47½		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	15	4	1	1	15	6	0
2	30	8	2	2	31	0	1
3	46	0	3	3	46	6	1
4	61	4	4	4	62	0	2
5	76	8	5	5	77	6	2
6	92	0	6	6	93	0	3
7	107	4	7	7	108	6	3
8	122	8	8	8	124	0	4
9	138	0	9	9	139	6	5
10	153	4	10	10	155	0	5
11	168	8	11	11	170	6	6
12	184	1	0	12	186	0	6
13	199	5	1	13	201	6	7
14	214	9	2	14	217	0	7
15	230	1	3	15	232	6	8
16	245	5	4	16	248	0	9
17	260	9	5	17	263	6	9
18	276	1	6	18	279	0	10
19	291	5	7	19	294	6	10
20	306	9	8	20	310	0	11
21	322	1	9	21	325	6	11
22	337	5	10	22	341	1	0
23	352	9	11	23	356	7	0
24	368	2	0	24	372	1	1
25	383	6	1	25	387	7	2
26	398	10	2	26	403	1	2
27	414	2	3	27	418	7	3
28	429	6	4	28	434	1	3
29	444	10	5	29	443	7	4
30	460	2	6	30	465	1	4
31	475	6	7	31	480	7	5
32	490	10	8	32	496	1	6
33	506	2	9	33	511	7	6
34	521	6	10	34	527	1	7
35	536	10	11	35	542	7	7
36	552	3	0	36	558	1	8
37	567	7	1	37	573	7	8
38	582	11	2	38	589	1	9
39	598	3	3	39	604	7	9
40	613	7	4	40	620	1	10
41	628	11	5	41	635	7	11
42	644	3	6	42	651	1	11
43	659	7	7	43	666	8	0
44	674	11	8	44	682	2	0
45	690	3	9	45	697	8	1
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
1/4	3	10	0	3	3	10	6 0
1/2	7	8	0	6	7	9	0 0
3/4	11	6	0	9	11	7	6 0

Of SOLID MEASURE. 115

Ft. long	Side 47 $\frac{1}{2}$			Ft. long	Side 47 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	15	8	0	1	15	10	0
2	31	4	0	2	31	8	0
3	47	0	0	3	47	6	0
4	62	8	1	4	63	4	0
5	78	4	1	5	79	2	0
6	94	0	1	6	95	0	0
7	109	8	1	7	110	10	0
8	125	4	2	8	126	8	0
9	141	0	2	9	142	6	0
10	156	8	2	10	158	4	0
11	172	4	2	11	174	2	0
12	188	0	3	12	190	0	0
13	203	8	3	13	205	10	0
14	219	4	3	14	221	8	0
15	235	0	3	15	237	6	0
16	250	8	4	16	253	4	1
17	266	4	4	17	269	2	1
18	282	0	4	18	285	0	1
19	297	8	4	19	300	10	1
20	313	4	5	20	316	8	1
21	329	0	5	21	332	6	1
22	344	8	5	22	348	4	1
23	360	4	5	23	364	2	1
24	376	0	6	24	380	0	1
25	391	8	6	25	395	10	1
26	407	4	6	26	411	8	1
27	423	0	6	27	427	6	1
28	438	8	7	28	443	4	1
29	454	4	7	29	459	2	1
30	470	0	7	30	475	0	1
31	485	8	7	31	490	10	1
32	501	4	8	32	506	8	2
33	517	0	8	33	522	6	2
34	532	8	8	34	538	4	2
35	548	4	8	35	554	2	2
36	564	0	9	36	570	0	2
37	579	8	9	37	585	10	2
38	595	4	9	38	601	8	2
39	611	0	9	39	617	6	2
40	626	8	10	40	633	4	2
41	642	4	10	41	649	2	2
42	658	0	10	42	665	0	2
43	673	8	10	43	680	10	2
44	689	4	11	44	696	8	2
45	705	0	11	45	712	6	2
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	2	11	0 0	$\frac{1}{4}$	3	1	6 0
$\frac{1}{2}$	7	10	0 0	$\frac{1}{2}$	7	11	0 0
$\frac{3}{4}$	11	9	0 0	$\frac{3}{4}$	11	10	6 0

Side 48 Inch.	Side 48 Inch.			Side 48 $\frac{1}{2}$	Side 48 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	16	0	0	1	16	2	0
2	32	0	0	2	32	4	0
3	48	0	0	3	48	6	0
4	64	0	0	4	64	8	0
5	80	0	0	5	80	10	0
6	96	0	0	6	97	0	0
7	112	0	0	7	113	2	0
8	128	0	0	8	129	6	0
9	144	0	0	9	145	4	0
10	160	0	0	10	161	8	0
11	176	0	0	11	177	10	0
12	192	0	0	12	194	0	0
13	208	0	0	13	210	2	0
14	224	0	0	14	226	4	0
15	240	0	0	15	242	6	0
16	256	0	0	16	258	8	1
17	272	0	0	17	274	10	1
18	288	0	0	18	291	0	1
19	304	0	0	19	307	2	1
20	320	0	0	20	323	4	1
21	336	0	0	21	339	6	1
22	352	0	0	22	355	8	1
23	368	0	0	23	371	10	1
24	384	0	0	24	388	0	1
25	400	0	0	25	404	2	1
26	416	0	0	26	420	4	1
27	432	0	0	27	436	6	1
28	448	0	0	28	452	8	1
29	464	0	0	29	468	10	1
30	480	0	0	30	485	0	1
31	496	0	0	31	501	2	1
32	512	0	0	32	517	4	2
33	528	0	0	33	533	6	2
34	544	0	0	34	549	8	2
35	560	0	0	35	565	10	2
36	576	0	0	36	582	0	2
37	592	0	0	37	598	2	2
38	608	0	0	38	614	4	2
39	624	0	0	39	630	6	2
40	640	0	0	40	646	8	2
41	656	0	0	41	662	10	2
42	672	0	0	42	679	0	2
43	688	0	0	43	695	2	2
44	704	0	0	44	711	4	2
45	720	0	0	45	727	6	2
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
1	4	0	0 0	1	4	0	6 0
2	8	0	0 0	2	8	1	0 0
3	12	0	0 0	3	12	1	6 0

Ft. long	Side 48 $\frac{1}{2}$			Ft. long	Side 48 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	16	4	0	1	16	6	0
2	32	8	0	2	33	0	1
3	49	0	0	3	49	6	1
4	65	4	1	4	66	0	2
5	81	8	1	5	82	6	2
6	98	0	1	6	99	0	3
7	114	4	1	7	115	6	3
8	130	8	2	8	132	0	4
9	147	0	2	9	148	6	5
10	163	4	2	10	165	0	5
11	179	8	2	11	181	6	6
12	196	0	3	12	198	0	6
13	212	4	3	13	214	6	7
14	228	8	3	14	231	0	7
15	245	0	3	15	217	6	8
16	261	4	4	16	264	0	9
17	277	8	4	17	280	6	9
18	294	0	4	18	297	0	10
19	310	4	4	19	313	6	10
20	326	8	5	20	330	0	11
21	343	0	5	21	346	6	11
22	359	4	5	22	363	1	0
23	375	8	5	23	379	7	0
24	392	0	6	24	396	1	1
25	408	4	6	25	412	7	1
26	424	8	6	26	429	1	2
27	441	0	6	27	445	7	2
28	457	4	7	28	462	1	3
29	473	8	7	29	478	7	4
30	490	0	7	30	495	1	4
31	506	4	7	31	511	7	5
32	522	8	8	32	528	1	5
33	539	0	8	33	544	7	6
34	555	4	8	34	561	1	6
35	571	8	8	35	577	7	7
36	588	0	9	36	594	1	8
37	604	4	9	37	610	7	8
38	620	8	9	38	627	1	9
39	637	0	9	39	643	7	9
40	653	4	10	40	660	1	10
41	669	8	10	41	676	7	10
42	686	0	10	42	693	1	11
43	702	4	10	43	709	7	11
44	718	8	11	44	726	2	0
45	735	0	11	45	742	8	1
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	4	1	0 0	$\frac{1}{4}$	4	1	6 0
$\frac{1}{2}$	8	2	0 0	$\frac{1}{2}$	8	3	0 0
$\frac{3}{4}$	12	3	0 0	$\frac{3}{4}$	12	4	6 0

Ft. long	Side 49 Inch.			Ft. long	Side 49 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	16	8	1	1	16	10	1
2	33	4	2	2	33	8	3
3	50	0	3	3	50	6	4
4	65	8	4	4	67	4	6
5	83	4	5	5	84	2	7
6	100	0	6	6	101	0	9
7	116	8	7	7	117	10	10
8	133	4	8	8	134	9	0
9	150	0	9	9	151	7	2
10	166	8	10	10	168	5	3
11	183	4	11	11	185	3	5
12	200	1	0	12	202	1	6
13	216	9	1	13	218	11	8
14	233	5	2	14	235	9	9
15	250	1	3	15	252	7	11
16	266	9	4	16	269	6	1
17	283	5	5	17	285	4	2
18	300	1	6	18	303	2	4
19	316	9	7	19	320	0	5
20	333	5	8	20	336	10	7
21	350	1	9	21	353	8	8
22	366	9	10	22	370	6	10
23	383	5	11	23	387	4	11
24	400	2	0	24	404	3	1
25	416	10	1	25	421	1	3
26	433	6	2	26	437	11	4
27	450	2	3	27	454	9	6
28	466	10	4	28	471	7	7
29	483	6	5	29	488	5	9
30	500	2	6	30	505	3	10
31	516	10	7	31	522	2	0
32	533	6	8	32	539	0	2
33	550	2	9	33	555	10	3
34	566	10	10	34	572	8	5
35	583	6	11	35	589	6	6
36	600	3	0	36	606	4	8
37	616	11	1	37	623	2	9
38	633	7	2	38	640	0	11
39	650	3	3	39	656	11	1
40	666	11	4	40	673	9	2
41	683	7	5	41	690	7	4
42	700	3	6	42	707	5	5
43	716	11	7	43	724	3	7
44	733	7	8	44	741	1	8
45	750	3	9	45	757	11	10
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
Inches	4	2	0 3	Inches	4	2	6 3
	8	4	0 6		8	5	0 6
	12	6	0 9		12	7	6 9

Of SOLID MEASURE. 119

Ft. long	Side 49½			Ft. long	Side 49¼		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	17	0	2	1	17	2	3
2	34	0	4	2	34	4	6
3	51	0	6	3	51	6	9
4	68	0	9	4	68	9	0
5	85	0	11	5	85	11	3
6	102	1	1	6	103	1	6
7	119	1	3	7	120	3	9
8	136	1	6	8	137	6	0
9	153	1	8	9	154	8	3
10	170	1	10	10	171	10	6
11	187	2	0	11	189	0	9
12	204	2	3	12	206	3	0
13	221	2	5	13	223	5	3
14	238	2	7	14	240	7	6
15	255	2	9	15	257	9	9
16	272	3	0	16	275	0	1
17	289	3	2	17	292	2	4
18	306	3	4	18	309	4	7
19	323	3	6	19	326	6	10
20	340	3	9	20	343	9	1
21	357	3	11	21	360	11	4
22	374	4	1	22	378	1	7
23	391	4	3	23	395	3	10
24	408	4	6	24	412	6	1
25	425	4	8	25	429	8	4
26	442	4	10	26	446	10	7
27	459	5	0	27	464	0	10
28	476	5	3	28	481	3	1
29	493	5	5	29	498	5	4
30	510	5	7	30	515	7	7
31	527	5	9	31	532	9	10
32	544	6	0	32	550	0	2
33	561	6	2	33	567	2	5
34	578	6	4	34	584	4	8
35	595	6	6	35	601	6	11
36	612	6	9	36	618	9	2
37	629	6	11	37	635	11	5
38	646	7	1	38	653	1	8
39	663	7	3	39	670	3	11
40	680	7	6	40	687	6	2
41	697	7	8	41	704	8	5
42	714	7	10	42	721	10	8
43	731	8	0	43	739	0	11
44	748	8	3	44	756	3	2
45	765	8	5	45	773	5	5
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
¼	4	3	0 6	¼	4	3	6 9
½	8	6	1 0	½	8	7	1 6
¾	12	9	1 6	¾	12	10	8 3

Ft. long	Side 50 Inch.			Ft. long	Side 50 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	17	4	4	1	17	6	5
2	34	8	8	2	35	0	10
3	52	1	0	3	52	7	3
4	69	5	4	4	70	1	8
5	86	9	8	5	87	8	1
6	104	2	0	6	105	2	6
7	121	6	4	7	122	8	11
8	138	10	8	8	140	3	4
9	156	3	0	9	157	9	9
10	173	7	4	10	175	4	2
11	190	11	8	11	192	10	7
12	208	4	0	12	210	5	0
13	225	8	4	13	227	11	5
14	243	0	8	14	245	5	10
15	260	5	0	15	263	0	3
16	277	9	4	16	280	6	9
17	295	1	8	17	298	1	2
18	312	6	0	18	315	7	7
19	329	10	4	19	333	2	0
20	347	2	8	20	350	8	5
21	364	7	0	21	368	2	10
22	381	11	4	22	385	9	3
23	399	3	8	23	403	3	8
24	416	8	0	24	420	10	1
25	434	0	4	25	438	4	6
26	451	4	8	26	455	10	11
27	468	9	0	27	473	5	4
28	486	1	4	28	490	11	9
29	503	5	8	29	508	6	2
30	520	10	0	30	526	0	7
31	538	2	4	31	543	7	0
32	555	6	8	32	561	1	6
33	572	11	0	33	578	7	11
34	590	3	4	34	596	2	4
35	607	7	8	35	613	8	9
36	625	0	0	36	631	3	2
37	642	4	4	37	648	9	7
38	659	8	8	38	666	4	0
39	677	1	0	39	683	10	5
40	697	5	4	40	701	4	10
41	711	9	8	41	718	11	3
42	729	2	0	42	736	5	8
43	747	6	4	43	754	0	1
44	764	10	8	44	771	6	6
45	782	3	0	45	789	0	11
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	4	8	1 0	$\frac{1}{4}$	4	4	7 3
$\frac{1}{2}$	8	4	2 0	$\frac{1}{2}$	8	9	2 6
$\frac{3}{4}$	13	0	3 0	$\frac{3}{4}$	13	1	9 9

Ft. long	Side 50 $\frac{1}{2}$			Ft. long	Side 50 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	17	8	6	1	17	10	7
2	35	5	0	2	35	9	3
3	53	1	6	3	53	7	10
4	70	10	1	4	71	6	6
5	88	6	7	5	89	5	1
6	106	3	1	6	107	3	9
7	123	11	7	7	125	2	4
8	141	8	2	8	143	1	0
9	159	4	8	9	160	11	8
10	177	1	2	10	178	10	3
11	194	9	8	11	196	8	11
12	212	6	3	12	214	7	6
13	230	2	9	13	232	6	2
14	247	11	3	14	250	4	9
15	265	7	9	15	268	3	5
16	283	4	4	16	286	2	1
17	301	0	10	17	304	0	8
18	318	9	4	18	321	11	4
19	336	5	10	19	339	9	11
20	354	2	5	20	357	8	7
21	371	10	11	21	375	7	2
22	389	7	5	22	393	5	10
23	407	3	11	23	411	4	5
24	425	0	6	24	429	3	1
25	442	9	0	25	447	1	9
26	460	5	6	26	465	0	4
27	478	2	0	27	482	11	0
28	495	10	7	28	500	9	9
29	513	7	1	29	518	8	3
30	531	3	7	30	536	6	10
31	549	0	1	31	554	5	6
32	566	8	8	32	572	4	2
33	584	5	2	33	590	2	9
34	602	1	8	34	608	1	5
35	619	10	2	35	626	0	0
36	637	6	9	36	643	10	8
37	655	3	3	37	661	9	3
38	672	11	9	38	679	7	11
39	690	8	3	39	697	6	6
40	708	4	10	40	715	5	2
41	726	1	4	41	733	3	10
42	743	9	10	42	751	2	5
43	761	6	4	43	769	0	1
44	779	2	11	44	786	11	8
45	796	11	5	45	804	10	4
Quarters of a Foot.				Quarters of a Foot			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	4	5	1 0	$\frac{1}{4}$	4	5	7 9
$\frac{1}{2}$	8	10	3 0	$\frac{1}{2}$	8	11	3 6
$\frac{3}{4}$	13	3	4 6	$\frac{3}{4}$	13	4	11 3

Ft. Long	Side 51 Inch.			Ft. Long	Side 51 $\frac{1}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	18	0	9	1	18	2	10
2	36	1	6	2	36	5	9
3	54	2	3	3	54	8	7
4	72	3	0	4	72	11	6
5	90	3	9	5	91	2	4
6	108	4	6	6	109	5	3
7	126	5	3	7	127	8	1
8	144	6	0	8	145	11	0
9	162	6	9	9	164	1	11
10	180	7	6	10	182	4	9
11	198	8	3	11	200	7	8
12	216	9	0	12	218	10	6
13	234	9	9	13	237	1	5
14	252	10	6	14	255	4	3
15	270	11	3	15	273	7	2
16	289	0	0	16	291	10	1
17	307	0	9	17	310	0	11
18	325	1	6	18	328	3	10
19	343	2	3	19	346	6	8
20	361	3	0	20	364	9	7
21	379	3	9	21	383	0	5
22	397	4	6	22	401	3	4
23	415	5	3	23	419	6	2
24	433	6	0	24	437	9	1
25	451	6	9	25	456	0	0
26	469	7	6	26	474	2	10
27	487	8	3	27	492	5	9
28	505	9	0	28	510	8	7
29	523	9	9	29	528	11	6
30	541	10	6	30	547	2	4
31	559	11	3	31	565	5	3
32	578	0	0	32	583	8	2
33	596	0	9	33	601	11	0
34	614	1	6	34	620	1	11
35	632	2	3	35	638	4	9
36	650	3	0	36	656	7	8
37	668	3	9	37	674	10	6
38	686	4	6	38	693	1	5
39	704	5	3	39	711	4	3
40	722	6	0	40	729	7	2
41	740	6	9	41	747	10	1
42	758	7	6	42	766	0	11
43	776	8	3	43	784	3	10
44	794	9	0	44	802	6	8
45	812	9	9	45	820	9	7
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	4	0	2 3	$\frac{1}{4}$	4	6	8 6
$\frac{1}{2}$	9	0	4 6	$\frac{1}{2}$	9	1	5 0
$\frac{3}{4}$	13	6	6 9	$\frac{3}{4}$	13	8	1 6

Ft. long.	Side 51 $\frac{1}{2}$			Ft. long.	Side 51 $\frac{3}{4}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	18	5	0	1	18	7	1
2	36	10	0	2	37	2	2
3	55	3	0	3	55	9	3
4	73	8	1	4	74	4	4
5	92	1	1	5	92	11	5
6	110	6	1	6	111	6	6
7	128	11	1	7	130	1	7
8	147	4	2	8	148	8	8
9	165	9	2	9	167	3	9
10	184	2	2	10	185	10	10
11	202	7	2	11	204	5	11
12	221	0	3	12	223	1	0
13	239	5	3	13	241	8	1
14	257	10	3	14	250	3	2
15	276	3	3	15	278	10	3
16	294	8	4	16	297	5	5
17	313	1	4	17	316	0	6
18	331	6	4	18	334	7	7
19	349	11	4	19	353	2	8
20	363	4	5	20	371	9	9
21	386	9	5	21	390	4	10
22	405	2	5	22	408	11	11
23	423	7	5	23	427	7	0
24	442	0	6	24	446	2	1
25	460	5	6	25	464	9	2
26	478	10	6	26	483	4	3
27	497	3	6	27	501	11	4
28	515	8	7	28	520	6	5
29	534	1	7	29	539	1	6
30	552	6	7	30	557	8	7
31	570	11	7	31	576	3	8
32	589	4	8	32	594	10	10
33	607	9	8	33	613	5	11
34	626	2	8	34	632	1	0
35	644	7	8	35	650	8	1
36	663	0	9	36	669	3	2
37	681	5	9	37	687	10	3
38	699	10	9	38	706	5	4
39	718	3	9	39	725	0	5
40	736	8	10	40	743	7	6
41	755	1	10	41	762	3	7
42	773	6	10	42	780	10	8
43	791	11	10	43	809	5	9
44	810	4	11	44	818	0	10
45	828	9	11	45	836	7	11
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	4	7	3 0	$\frac{1}{4}$	4	7	9 3
$\frac{1}{2}$	9	2	6 0	$\frac{1}{2}$	9	3	6 6
$\frac{3}{4}$	13	9	9 0	$\frac{3}{4}$	13	11	3 9

Ft. long	Side 52 Inch.			Ft. long	Side 52 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	18	9	4	1	18	11	6
2	37	6	8	2	37	11	0
3	56	4	0	3	56	10	6
4	75	1	4	4	75	10	0
5	93	10	8	5	94	9	6
6	112	8	0	6	113	9	0
7	131	5	4	7	132	8	6
8	150	2	8	8	151	8	0
9	169	0	0	9	170	7	6
10	187	9	4	10	189	7	0
11	206	6	8	11	208	6	6
12	225	4	0	12	227	6	0
13	244	1	4	13	246	5	6
14	262	10	8	14	265	5	0
15	281	8	0	15	284	4	6
16	300	5	4	16	303	4	0
17	319	2	8	17	322	3	7
18	338	0	0	18	341	3	1
19	356	9	4	19	360	2	7
20	375	6	8	20	379	2	1
21	394	4	0	21	398	1	7
22	413	1	4	22	417	1	1
23	431	10	8	23	436	0	7
24	450	8	0	24	455	0	1
25	469	5	4	25	473	11	7
26	488	2	8	26	492	11	1
27	507	0	0	27	511	10	7
28	525	9	4	28	530	10	1
29	544	6	8	29	549	9	7
30	563	4	0	30	568	9	1
31	582	1	4	31	587	8	7
32	600	10	8	32	606	8	2
33	619	8	0	33	625	7	8
34	638	5	4	34	644	7	2
35	657	2	8	35	663	6	8
36	676	0	0	36	682	6	2
37	694	9	4	37	701	5	8
38	713	6	8	38	720	5	2
39	732	4	0	39	739	4	8
40	751	1	4	40	758	4	2
41	769	10	8	41	777	3	8
42	788	8	0	42	796	3	2
43	807	5	4	43	815	2	2
44	826	2	8	44	834	2	8
45	845	0	0	45	853	1	2
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	4	8	4 0	$\frac{1}{4}$	4	8	10 6
$\frac{1}{2}$	9	4	8 0	$\frac{1}{2}$	9	5	9 0
$\frac{3}{4}$	14	1	0 0	$\frac{3}{4}$	14	2	7 6

Ft. long	Side 52 $\frac{1}{2}$			Ft. long	Side 52 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	19	1	8	1	19	3	10
2	38	3	4	2	38	7	9
3	57	5	0	3	57	11	7
4	76	6	9	4	77	3	6
5	95	8	5	5	96	7	4
6	114	10	1	6	115	11	3
7	133	11	9	7	135	3	1
8	153	1	6	8	154	7	0
9	172	3	2	9	173	10	11
10	191	4	10	10	193	2	9
11	210	6	6	11	212	6	8
12	229	8	3	12	231	10	6
13	248	9	11	13	251	2	5
14	267	11	7	14	270	6	3
15	287	1	3	15	289	10	2
16	306	3	0	16	309	2	1
17	325	4	8	17	328	5	11
18	344	6	4	18	347	9	10
19	363	8	0	19	367	1	8
20	382	9	9	20	386	5	7
21	401	11	5	21	405	9	5
22	421	1	1	22	425	1	4
23	440	2	9	23	444	5	2
24	459	4	6	24	463	9	1
25	478	6	2	25	483	1	0
26	497	7	10	26	502	4	10
27	516	9	6	27	521	8	9
28	535	11	3	28	541	0	7
29	555	0	11	29	560	4	6
30	574	2	7	30	579	8	4
31	593	4	3	31	599	0	3
32	612	6	0	32	618	4	2
33	631	7	8	33	637	0	6
34	650	9	4	34	656	11	11
35	669	11	0	35	676	2	9
36	689	0	9	36	695	6	8
37	708	2	5	37	714	10	6
38	727	4	1	38	734	3	5
39	746	5	9	39	753	7	3
40	765	7	6	40	772	11	2
41	784	9	2	41	792	3	1
42	803	10	10	42	811	6	11
43	823	0	6	43	830	10	10
44	842	2	3	44	850	2	8
45	861	3	11	45	869	6	7
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	4	9	5 0	$\frac{1}{4}$	4	9	11 6
$\frac{2}{4}$	9	6	10 0	$\frac{2}{4}$	9	7	11 0
$\frac{3}{4}$	14	4	3 0	$\frac{3}{4}$	14	5	10 6

Ft. long.	Side 53 Inch.			Ft. long.	Side 53 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	19	6	1	1	19	8	3
2	39	0	2	2	39	4	7
3	58	6	3	3	59	0	10
4	78	0	4	4	78	9	2
5	97	6	5	5	98	5	5
6	117	0	6	6	118	1	9
7	136	6	7	7	137	10	0
8	156	0	8	8	157	6	4
9	175	6	9	9	177	2	8
10	195	0	10	10	196	10	11
11	214	6	11	11	216	7	3
12	234	1	0	12	236	3	9
13	253	7	1	13	255	11	10
14	273	1	2	14	275	8	1
15	292	7	3	15	295	4	5
16	312	1	4	16	315	0	9
17	331	7	5	17	334	9	0
18	351	1	6	18	354	5	4
19	370	7	7	19	374	1	7
20	390	1	8	20	393	9	11
21	409	7	9	21	413	6	2
22	429	1	10	22	433	2	6
23	448	7	11	23	452	10	9
24	467	2	0	24	472	7	1
25	487	8	1	25	492	3	5
26	507	2	2	26	511	11	8
27	526	8	3	27	531	8	0
28	546	2	4	28	551	4	3
29	565	8	5	29	571	2	7
30	585	2	6	30	590	10	10
31	604	8	7	31	610	7	2
32	624	2	8	32	630	3	6
33	643	8	9	33	649	11	9
34	663	2	10	34	669	8	1
35	682	8	11	35	689	4	4
36	702	3	0	36	709	0	8
37	721	9	1	37	728	8	11
38	741	3	2	38	748	5	3
39	760	9	3	39	768	1	6
40	780	3	4	40	797	9	10
41	799	9	5	41	807	6	2
42	819	3	6	42	827	2	5
43	838	9	7	43	846	10	9
44	858	3	8	44	866	7	0
45	877	9	9	45	886	3	4
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
$\frac{1}{4}$	4	10	6 3	$\frac{1}{4}$	4	11	0 0
$\frac{1}{2}$	9	9	0 6	$\frac{1}{2}$	9	10	1 6
$\frac{3}{4}$	14	7	6 9	$\frac{3}{4}$	14	9	2 3

Ft. long.	Side 53 $\frac{1}{2}$			Ft. long.	Side 53 $\frac{1}{2}$		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	19	10	6	1	20	0	9
2	37	9	0	2	40	1	6
3	59	7	6	3	60	2	3
4	79	6	1	4	80	3	0
5	99	4	7	5	100	3	9
6	119	3	1	6	120	4	6
7	139	1	7	7	140	5	3
8	159	0	2	8	160	6	0
9	178	10	8	9	180	6	9
10	198	9	2	10	200	7	6
11	218	7	8	11	220	8	3
12	238	6	3	12	240	9	0
13	258	4	9	13	260	9	9
14	278	3	3	14	280	10	6
15	298	1	9	15	300	11	3
16	318	0	4	16	321	0	1
17	337	10	10	17	341	0	10
18	357	9	4	18	361	1	7
19	377	7	10	19	381	2	4
20	397	6	5	20	401	3	1
21	417	4	11	21	421	3	10
22	437	3	5	22	441	4	7
23	457	1	11	23	461	5	4
24	477	0	6	24	481	6	1
25	496	11	0	25	501	6	10
26	516	9	6	26	521	7	7
27	536	8	0	27	541	8	4
28	556	6	7	28	561	9	1
29	576	5	1	29	581	9	10
30	596	3	7	30	601	10	7
31	616	2	1	31	621	11	4
32	636	0	8	32	642	0	2
33	655	11	2	33	662	0	11
34	675	9	8	34	682	1	8
35	695	8	2	35	702	2	5
36	715	6	9	36	722	3	2
37	735	5	3	37	742	3	11
38	755	3	9	38	762	4	8
39	775	2	3	39	782	5	5
40	795	0	10	40	802	6	2
41	814	11	4	41	822	6	11
42	834	9	10	42	842	7	8
43	854	8	4	43	862	8	5
44	874	6	11	44	882	9	2
45	894	5	5	45	902	9	11
Quarters of a Foot.				Quarters of a Foot.			
	Ft.	In.	Pa.S.		Ft.	In.	Pa.S.
$\frac{1}{4}$	4	11	7 6	$\frac{1}{4}$	5	0	2 3
$\frac{1}{2}$	9	11	3 0	$\frac{1}{2}$	10	0	4 6
$\frac{3}{4}$	14	10	10 6	$\frac{3}{4}$	15	0	6 9

Ft. long.	Side 54 Inch.		
	Ft.	In.	Pa.
1	20	3	0
2	40	6	0
3	60	9	0
4	81	0	0
5	101	3	0
6	121	6	0
7	141	9	0
8	162	0	0
9	182	3	0
10	202	6	0
11	222	9	0
12	243	0	0
13	263	3	0
14	283	6	0
15	303	9	0
16	324	0	0
17	344	3	0
18	364	6	0
19	384	9	0
20	405	0	0
21	425	3	0
22	445	6	0
23	465	9	0
24	486	0	0
25	506	3	0
26	526	6	0
27	546	9	0
28	567	0	0
29	587	3	0
30	607	6	0
31	627	9	0
32	648	0	0
33	668	3	0
34	688	6	0
35	708	9	0
36	729	0	0
37	749	3	0
38	769	6	0
39	789	9	0
40	810	0	0
41	830	3	0
42	850	6	0
43	870	9	0
44	891	0	0
45	911	3	0
Quarters of a Foot.			
	Ft.	In.	Pa S.
$\frac{1}{4}$	5	0	9 0
$\frac{1}{2}$	10	1	6 0
$\frac{3}{4}$	15	2	3 0



N E W
T A B L E S,

Shewing the VALUE of
TIMBER, STONE, &c.

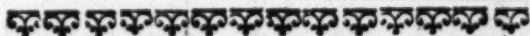
Cut to any Size or Scantling,

At the several Prices of

1s. 6d. 2s. 2s. 6d. and 3s. *per*
Foot Cube.

And which, by *Addition* or *Sub-*
traction only, will shew the
Value at any *Greater* or *Less*
Prices.

N. B. In the Tables at 1s. 6d. 2s. and
2s. 6d. the Value is given in *Pence*
and *eights of a Penny*: But in the Table
at 3s. the Value is given in *Pence* and
Farthings.



The NEW TABLE of Scantlings,
at 1s. 6d. per Foot Cube.

2 In. Sqr.			4			2		
by	d.	$\frac{1}{8}$						
2	0	5	2	1	5	9	4	4
3	0	6	5	1	7	2	4	6
2	0	7	6	2	0	10	5	0
4	1	0	2	2	2	2	5	2
2	1	1	7	2	3	11	5	4
5	1	2	2	2	5	2	5	6
2	1	3	8	3	0	12	6	0
6	1	4	2	3	1	4 $\frac{1}{2}$ Sqr.		
2	1	5	9	3	3	by	d.	$\frac{1}{8}$
7	1	6	2	3	4	2	2	4
2	1	7	10	3	6	5	2	6
8	2	0	2	3	7	2	3	0
2	2	1	11	4	1	6	3	3
9	2	2	2	4	2	2	3	5
2	2	3	12	4	4	7	3	7
10	2	4	3 $\frac{1}{2}$ Sqr.			2	4	1
2	2	5	by	d.	$\frac{1}{8}$	8	4	4
11	2	6	2	1	4	2	4	6
2	2	7	4	1	6	9	5	0
12	3	0	2	1	7	2	5	2
2 $\frac{1}{2}$ Sqr.			5	2	1	10	5	5
by	d.	$\frac{1}{8}$	2	2	3	2	5	7
2	0	6	6	2	4	11	6	1
3	0	7	2	2	6	2	6	3
2	1	0	7	3	0	12	6	6
4	1	2	2	3	2	5 In. Sqr.		
2	1	3	8	3	4	by	d.	$\frac{1}{8}$
5	1	4	2	3	5	5	3	1
2	1	5	9	3	7	2	3	3
6	1	7	2	4	1	6	3	6
2	2	0	10	4	3	2	3	8
7	2	1	2	4	4	7	4	3
2	2	2	11	4	6	2	4	5
8	2	4	2	5	0	8	5	0
2	2	5	12	5	2	2	5	2
9	2	6	4 In. Sqr.			0	5	5
2	2	7	by	d.	$\frac{1}{8}$	2	5	7
10	3	1	4	2	0	10	6	2
2	3	2	2	2	2	2	6	4
11	3	3	5	2	4	11	6	7
2	3	4	2	2	6	2	7	1
12	3	6	6	3	0	12	7	4
3 In. Sqr.			2	3	2	5 $\frac{1}{2}$ Sqr.		
by	d.	$\frac{1}{8}$	7	3	4	by	d.	$\frac{1}{8}$
3	1	1	2	3	0	2	3	6
2	1	2	8	4	0	6	4	1

2 ¹	4	3	2 ¹	9	1	10 ¹	11	7
7 ¹	4	6	11 ¹	9	5	2 ¹	12	3
2 ²	5	1	2 ²	10	0	11 ¹	13	0
8 ¹	5	4	12 ¹	10	4	2 ²	13	5
2 ³	5	6	$7\frac{1}{2}$ Sqr.			12 ¹	14	2
9 ¹	6	1	$7\frac{1}{2}$ Sqr.			10 In. Sqr.		
2 ⁴	6	4	by	d.	$\frac{1}{8}$	by	d.	$\frac{1}{8}$
10 ¹	6	7	2	7	0	10 ¹	12	4
2 ⁵	7	1	8	7	4	2 ¹	13	1
11 ¹	7	4	2 ²	7	7	11 ¹	13	6
2 ⁶	7	7	9	8	3	2 ²	14	3
12 ¹	8	2	2 ³	8	7	12 ¹	15	0
6 In. Sqr.			10 ¹	9	3	$10\frac{1}{2}$ Sqr.		
by	d.	$\frac{1}{8}$	2 ⁴	9	6	by	d.	$\frac{1}{8}$
6	4	4	11 ¹	10	2	2 ³	13	6
2 ⁷	4	7	2 ⁵	10	6	11 ¹	14	3
7 ²	5	2	12 ¹	11	2	2 ⁴	15	0
2 ⁸	5	5	8 In. Sqr.			12 ¹	15	6
8 ²	6	0	by	d.	$\frac{1}{8}$	11 In. Sqr.		
2 ⁹	6	3	8	8	0	by	d.	$\frac{1}{8}$
9 ²	6	6	2 ⁶	8	4	11 ¹	15	2
2 ¹⁰	7	1	9	9	0	2 ⁵	15	6
10 ²	7	4	2 ⁷	9	4	12 ¹	16	4
2 ¹¹	7	7	10 ¹	10	0	$11\frac{1}{2}$ Sqr.		
11 ²	8	2	2 ⁸	10	4	by	d.	$\frac{1}{8}$
2 ¹²	8	5	11 ¹	11	0	2 ⁶	16	4
$6\frac{1}{2}$ Sqr.			2 ⁹	11	4	12 ¹	17	2
by	d.	$\frac{1}{8}$	12 ¹	12	0	$8\frac{1}{2}$ Sqr.		
2 ¹	5	2	by	d.	$\frac{1}{8}$	by	d.	$\frac{1}{8}$
7 ²	5	5	2 ¹	9	0	2 ¹	9	0
2 ²	6	0	9	9	4	2 ²	10	0
8 ²	6	4	2 ³	10	0	10 ¹	10	5
2 ³	6	7	10 ¹	10	5	2 ⁴	11	1
9 ²	7	2	2 ⁵	11	1	11 ¹	11	5
2 ⁴	7	5	11 ¹	11	5	2 ⁶	12	1
10 ²	8	1	2 ⁷	12	1	12 ¹	12	6
2 ⁵	8	4	9 In. Sqr.			$9\frac{1}{2}$ Sqr.		
11 ²	8	7	by	d.	$\frac{1}{8}$	by	d.	$\frac{1}{8}$
2 ⁶	9	2	9	10	1	2 ¹	10	5
$7\frac{1}{2}$ In. Sqr.			2 ²	10	5	10 ¹	11	2
by	d.	$\frac{1}{8}$	10 ¹	11	2	2 ³	11	6
7	6	1	2 ⁵	11	6	11 ¹	12	3
2 ⁷	6	4	2 ⁶	12	7	2 ⁴	12	7
8 ²	7	0	12 ¹	13	4	$9\frac{1}{2}$ Sqr.		
2 ⁸	7	3	$9\frac{1}{2}$ Sqr.			by	d.	$\frac{1}{8}$
9 ²	7	7	by	d.	$\frac{1}{8}$	2 ¹	11	2
2 ⁹	8	2	2 ¹	11	2	R 2		
10 ²	8	6	R 2					

132 *The Value of SCANTLINGS.*

The NEW TABLE of Scantlings,
at 2s. per Foot Cube.

2 In. Sq.			4			9		
by	d.	$\frac{1}{8}$	2	2	2	2	6	2
2	0	6	5	2	4	10	6	5
3	1	C	2	2	6	2	7	0
2	1	1	6	3	0	11	7	2
4	1	2	2	3	2	2	7	5
2	1	4	7	3	4	12	8	0
5	1	5	2	3	6	4 $\frac{1}{2}$ Sqr.		
2	1	7	8	4	0	by	d.	$\frac{1}{8}$
6	2	0	2	4	2	2	3	3
2	2	1	9	4	4	5	3	6
7	2	2	2	4	6	2	4	r
2	2	4	10	5	0	6	4	4
8	2	5	2	5	2	2	4	7
2	2	6	11	5	4	7	5	2
9	3	0	2	5	C	2	5	5
2	3	1	12	6	C	8	6	0
10	3	2	3 $\frac{1}{2}$ Sqr.			2	6	3
2	3	4	v	d.	$\frac{1}{8}$	9	6	6
11	3	5	2	2	0	2	7	1
2	3	6	4	2	2	10	7	4
12	4	0	2	2	5	2	7	7
2 $\frac{1}{2}$ Sqr.			5	2	7	11	8	2
by	d.	$\frac{1}{8}$	2	3	2	2	8	5
2	1	C	6	3	4	12	9	0
3	1	2	2	3	6	5 In. Sqr.		
2	1	3	7	4	0	by	d.	$\frac{1}{8}$
4	1	5	2	4	3	5	4	1
2	1	7	8	4	5	2	4	4
5	2	C	2	4	7	6	5	0
2	2	2	9	5	2	2	5	3
6	2	4	2	5	4	7	5	6
2	2	5	10	5	6	2	6	2
7	2	6	2	6	0	8	6	5
2	3	1	11	6	2	2	7	0
8	3	2	2	6	5	9	7	4
2	3	4	12	7	C	2	7	7
9	3	6	4 In. Sqr.			10	8	2
2	3	7	by	d.	$\frac{1}{8}$	2	8	6
10	4	1	4	2	5	11	9	1
2	4	3	2	3	0	2	9	4
11	4	4	5	3	2	12	10	0
2	4	6	2	3	5	5 $\frac{1}{2}$ Sqr.		
12	5	0	6	4	0	by	d.	$\frac{1}{8}$
3 In. Sq.			2	4	2	2	5	0
by	d.	$\frac{1}{8}$	7	4	5	6	5	4
3	1	4	2	5	C	2	5	7
2	1	6	2	5	5			

7	6	2	11	12	6	10	15	6
2	6	7	2	13	3	2	16	4
8	7	2	1	14	0	11	17	3
2	7	6	$7\frac{1}{2}$ Sqr.			2	18	2
9	8	2	by d. $\frac{1}{8}$			12	19	0
2	8	5	2	9	3	10 In. Sqr.		
10	9	1	8	10	0	by d. $\frac{1}{8}$		
2	9	5	2	10	4	10	16	5
11	10	0	9	11	2	2	17	4
2	10	4	2	11	7	11	18	2
12	11	0	10	12	4	2	19	1
6 In. Sqr.			2	13	1	12	20	0
by d. $\frac{1}{8}$			11	13	6	$10\frac{1}{2}$ Sqr.		
6	6	0	2	14	3	by d. $\frac{1}{8}$		
2	6	4	12	15	0	2	18	3
7	7	1	8 In. Sqr.			11	19	2
2	7	4	by d. $\frac{1}{8}$			2	20	1
8	8	0	8	10	5	12	21	0
2	8	4	2	11	2	11 In. Sqr.		
9	9	0	9	12	0	by d. $\frac{1}{8}$		
2	9	4	2	12	5	11	20	0
10	10	0	10	13	2	2	21	0
2	10	4	2	14	0	12	22	0
11	11	0	11	14	5	$11\frac{1}{2}$ Sqr.		
2	11	4	2	15	2	by d. $\frac{1}{8}$		
12	12	0	12	16	0	2	22	0
$6\frac{1}{2}$ Sqr.			$8\frac{1}{2}$ Sqr.			12	23	0
by d. $\frac{1}{8}$			by d. $\frac{1}{8}$					
2	7	0	2	12	0			
7	7	4	9	12	6			
2	8	0	2	13	3			
8	8	5	10	14	1			
2	9	1	2	14	7			
9	9	6	11	15	4			
2	10	2	2	16	2			
10	10	6	12	17	0			
2	11	3	9 In. Sqr.					
11	11	7	by d. $\frac{1}{8}$					
2	12	3	9	13	4			
12	13	0	2	14	2			
7 In. Sqr.			10	15	0			
by d. $\frac{1}{8}$			2	15	6			
7	8	1	11	16	4			
2	8	6	2	17	2			
8	9	2	12	18	0			
2	9	7	$9\frac{1}{2}$ Sqr.					
9	10	4	by d. $\frac{1}{8}$					
2	11	0	2	15	0			
10	11	5						
2	12	2						

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The NEW TABLE of Scantlings
at 2s. 6d. per Foot Cube.

2 In Sq

by d.

2	1	0
3	1	1
2	1	3
4	1	5
2	1	6
5	2	0
2	2	2
6	2	4
2	2	6
7	2	7
2	3	0
8	3	2
2	3	4
9	3	6
2	3	7
10	4	0
2	4	2
11	4	4
2	4	6
12	5	0

2 $\frac{1}{2}$ Sq.

by d.

2	1	2
3	1	4
2	1	5
4	2	0
2	2	1
5	2	4
2	2	5
6	3	0
2	3	1
7	3	3
2	3	6
8	4	0
2	4	2
9	4	3
2	4	5
10	5	0
2	5	1
11	5	3
2	5	6
12	6	2

3 In. Sqr

by d.

3	1	7
2	2	1

4 2 4

2 2 6

5	3	1
2	3	3
6	3	6
2	4	0
7	4	2
2	4	4
8	5	0
2	5	2
9	5	4
2	5	7
10	6	2
2	6	4
11	6	7
2	7	0
12	7	4

3 $\frac{1}{2}$ Sqr.

by d.

2	2	4
4	2	7
2	3	1
5	3	4
2	4	0
6	4	2
2	4	5
7	5	0
2	5	4
8	5	6
2	6	0
9	6	3
2	6	7
10	7	2
2	7	4
11	7	7
2	8	3
12	8	6

4 In. Sqr

by d.

4	3	2
2	3	7
5	4	1
2	4	4
6	5	0
2	5	2
7	5	6
2	6	2
8	6	4
2	7	0

9 7 2

2 7 6

10	8	1
2	8	4
11	9	0
2	9	4
12	10	0

4 $\frac{1}{2}$ Sqr.

by d.

2	4	2
5	4	4
2	5	0
6	5	4
2	6	0
7	6	3
2	6	6
8	7	2
2	7	6
9	8	2
2	8	5
10	9	0
2	9	4
11	9	7
2	10	2
12	11	1

5 In. Sqr.

by d.

5	5	0
2	5	5
6	6	2
2	6	5
7	7	2
2	7	5
8	8	1
2	8	5
9	9	2
2	9	5
10	10	2
2	10	5
11	11	1
2	11	5
12	12	4

5 $\frac{1}{2}$ Sqr.

by d.

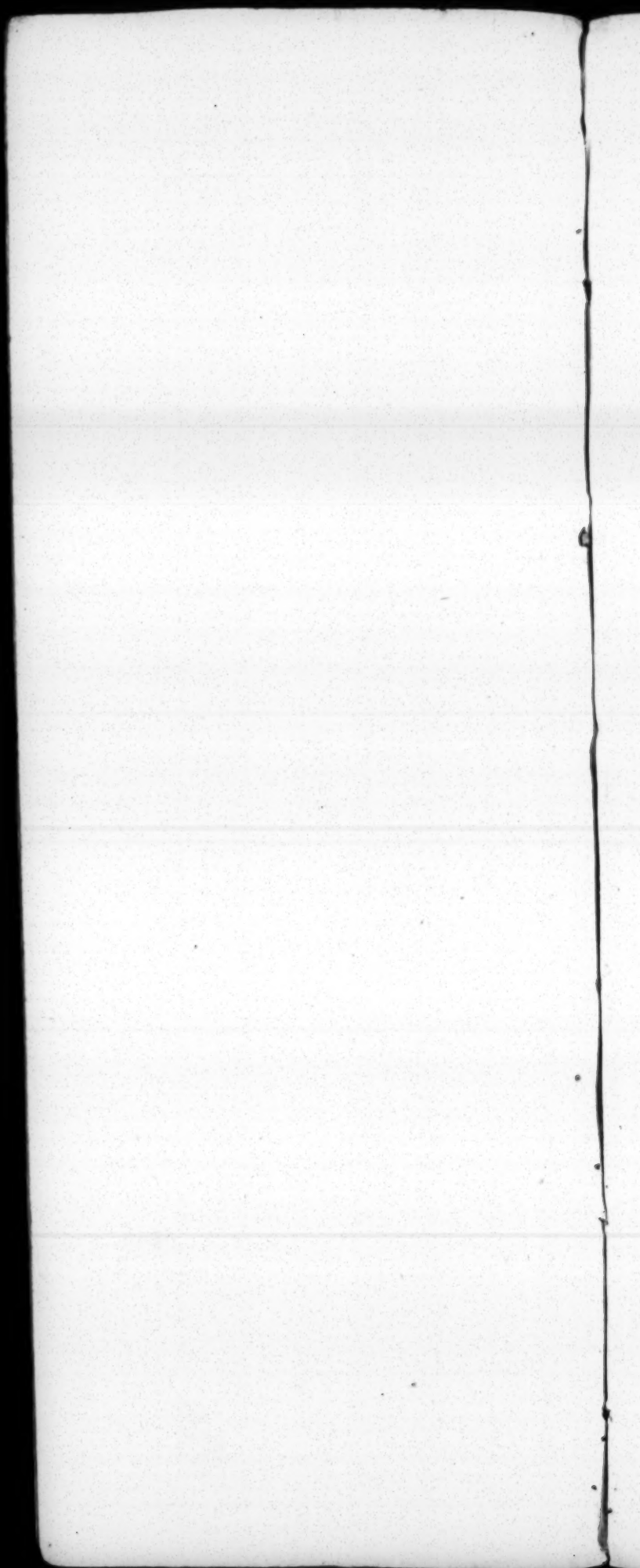
2	6	2
6	6	7
2	7	2

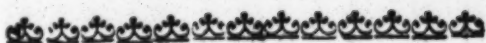
7	7	7	11	16	0	10	19	5
2	8	3	2	16	6	2	20	5
8	9	0	12	17		11	21	5
2	9	3	$7\frac{1}{2}$ Sqr.			2	22	6
9	10	0	by d. $\frac{1}{8}$			12	23	6
2	10	4	2	11	0	10 In Sqr.		
10	11	2	8	12	4	by	d.	$\frac{1}{8}$
2	11	5	2	13	1	10	20	6
11	12	1	9	14	0	2	21	7
2	12	6	2	14	6	11	22	4
12	13	6	10	15	5	2	23	7
6 In. Sqr.			2	16	3	12	25	0
by	d.	$\frac{1}{8}$	11	17	1	$10\frac{1}{2}$ Sqr.		
6	7	4	2	17	7	by	d.	$\frac{1}{8}$
2	8	0	12	18	6	2	22	7
7	8	4	8 In. Sqr.			11	24	0
2	9	0	by	d.	$\frac{1}{8}$	2	25	1
8	10	0	8	13	2	12	26	2
2	10	5	2	14	0	11 In Sqr.		
9	11	2	9	15	0	by	d.	$\frac{1}{8}$
2	11	7	2	15	6	11	25	0
10	12	4	10	16	4	2	26	2
2	13	1	2	17	4	12	27	4
11	13	6	11	18	2	$11\frac{1}{2}$ Sqr.		
2	14	2	2	19	0	by	d.	$\frac{1}{8}$
12	15	0	12	20	0	2	27	6
$6\frac{1}{2}$ Sqr.			$8\frac{1}{2}$ Sqr.			12	28	6
by	d.	$\frac{1}{8}$	by	d.	$\frac{1}{8}$			
2	8	0	2	15	0			
7	9	2	9	15	7			
2	10	0	2	16	5			
8	10	7	10	17	5			
2	11	3	2	18	4			
9	12	0	11	19	2			
2	12	6	2	20	2			
10	13	2	12	21	2			
2	13	7	9 In. Sqr.					
11	14	2	by	d.	$\frac{1}{8}$			
2	15	0	9	16	7			
12	16	2	2	17	6			
7 In Sqr.			10	18	6			
b	d.	$\frac{1}{8}$	2	19	2			
7	10	1	11	20	5			
2	10	7	2	21	4			
8	11	4	12	22	4			
2	12	1	$9\frac{1}{2}$ Sqr.					
9	13	1	by	d.	$\frac{1}{8}$			
2	13	6	2	18	6			
10	14	4						
2	15	3						

The NEW TABLE of Scantlings,
at 3s. per Foot Cube.

2 In. Sqr.			4 3 0			2 8 2		
by	d. q.							
2	1	1	2	3	1	9	9	0
3	1	2	5	3	3	2	9	2
2	1	3	2	4	0	10	10	0
4	2	0	6	4	2	2	10	2
2	2	1	2	4	3	11	11	0
5	2	2	7	5	1	2	11	2
2	2	3	2	5	2	12	12	0
6	3	0	8	6	C	$4\frac{1}{2}$ Sqr.		
2	3	1	2	6	1	b.	d. q.	
7	3	2	9	6	3	2	5	C
2	3	3	2	7	C	5	5	2
8	4	0	10	7	2	2	6	0
2	4	1	2	7	3	6	6	3
9	4	2	11	8	1	2	7	1
2	4	3	2	8	2	7	7	3
10	5	0	12	9	0	2	8	1
2	5	1	$3\frac{1}{2}$ Sqr.			8	9	0
11	5	2	by	d. q.		2	9	2
2	5	3	2	3	0	9	10	0
12	6	0	4	3	2	2	10	2
$2\frac{1}{2}$ Sqr.			2	3	3	0	11	1
by	d. q.		5	4	1	2	11	3
2	1	2	2	4	3	11	12	1
3	1	3	6	5	1	2	12	3
2	2	0	2	5	2	12	13	2
4	2	2	7	6	C	5 In. Sqr.		
2	2	3	2	6	2	by	d. q.	
5	3	0	8	7	C	5	6	1
2	3	1	2	7	1	2	6	3
6	3	3	9	7	3	6	7	2
2	4	0	2	8	1	2	8	0
7	4	1	10	8	3	7	8	3
2	4	2	2	9	C	2	9	1
8	5	0	11	9	2	8	10	0
2	5	1	2	10	C	2	10	2
9	5	2	12	10	2	9	11	1
2	5	3	4 In. Sqr.			2	11	3
10	6	1	by	d q		10	12	2
2	6	2	4	4	0	2	13	0
11	6	3	2	4	2	11	13	3
2	7	0	5	5	C	2	14	1
12	7	2	2	5	2	12	15	0
3 In. Sqr.			6	6	C	$5\frac{1}{2}$ Sqr.		
by	d. q.		2	6	2	by	d. q.	
3	2	1	7	7	C	2	7	2
2	2	2	2	7	2	6	8	1
			8	8	0			

2	8	3	2	18	1	10	23	3
7	9	2	11	19	1	2	24	3
2	10	1	2	20	0	11	26	0
8	11	0	12	21	0	2	27	1
2	11	2	$7\frac{1}{2}$ Sqr.			12	28	2
9	12	1	$10\frac{1}{2}$ In. Sqr.			$10\frac{1}{2}$ Sqr.		
2	13	0	by	d.	q.	by	d.	q.
10	13	3	2	14	0	10	25	0
2	14	1	8	15	0	2	26	1
11	15	0	2	15	3	11	27	2
2	15	3	9	16	3	2	28	3
12	16	2	2	17	3	12	30	0
6 In. Sqr.			10	18	3	$10\frac{1}{2}$ Sqr.		
by	d.	q.	2	19	2	by	d.	q.
6	9	0	11	20	2	2	27	2
2	9	3	2	21	2	11	28	3
7	10	2	12	22	2	2	30	0
2	11	1	8 In. Sqr.			12	31	2
8	12	0	by	d.	q.	11 In. Sqr.		
2	12	3	8	16	0	by	d.	q.
9	13	2	2	17	0	11	30	1
2	14	1	9	18	0	2	31	2
10	15	0	2	19	0	12	33	0
2	15	3	10	20	0	$11\frac{1}{2}$ Sqr.		
11	16	2	2	21	0	by	d.	q.
2	17	1	11	22	0	2	33	0
12	18	0	2	23	0	12	34	2
$6\frac{1}{2}$ Sqr.			12	24	0	$8\frac{1}{2}$ Sqr.		
by	d.	q.	by	d.	q.	$9\frac{1}{2}$ Sqr.		
2	10	2	2	18	0	by	d.	q.
7	11	1	9	19	0	2	22	2
2	12	0	2	20	0	10	23	3
8	13	0	10	21	1	2	25	3
2	13	3	2	22	1	12	27	0
9	14	2	11	23	1	9 In. Sqr.		
2	15	1	2	24	1	by	d.	q.
10	16	1	12	25	2	9	20	1
2	17	0	9 In. Sqr.			2	21	1
11	17	3	by	d.	q.	10	22	2
2	18	2	9	20	1	2	23	2
12	19	2	2	21	1	11	24	3
7 In. Sqr.			10	22	2	2	25	3
by	d.	q.	2	23	2	12	27	0
7	12	1	11	24	3	$9\frac{1}{2}$ Sqr.		
2	13	0	2	25	3	by	d.	q.
8	14	0	12	27	0	2	22	2
2	14	3	$9\frac{1}{2}$ Sqr.			$9\frac{1}{2}$ Sqr.		
9	15	3	by	d.	q.	$9\frac{1}{2}$ Sqr.		
2	16	2	2	22	2	$9\frac{1}{2}$ Sqr.		
10	17	2	$9\frac{1}{2}$ Sqr.			$9\frac{1}{2}$ Sqr.		





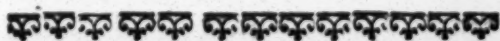
A NEW
T A B L E
O F

Superficial or Flat MEASURE,

Ready cast up,

Whereby the *Superficial Content*
and consequently the *Value*
of any Quantity of *Board,*
Glass, &c. may be found
AT SIGHT, from 1 *Inch* to
24 *Inches*, the BREADTH,
and from a *Quarter* of an
Inch to 24 *Feet* the *Length*.

And therefore, by *Addition* only, may
serve to any *greater Breadth*, or
Length, if there should ever be
Occasion.



<i>Feet long</i>	1 In. broad.			<i>Feet long</i>	1 $\frac{1}{4}$ broad.				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	0	1	0	1	0	1	3		
2	0	2	0	2	0	2	6		
3	0	3	0	3	0	3	9		
4	0	4	0	4	0	5	0		
5	0	5	0	5	0	6	3		
6	0	6	0	6	0	7	6		
7	0	7	0	7	0	8	9		
8	0	8	0	8	0	10	0		
9	0	9	0	9	0	11	3		
10	0	10	0	10	1	0	6		
11	0	11	0	11	1	1	9		
12	1	0	0	12	1	2	0		
13	1	1	0	13	1	4	3		
14	1	2	0	14	1	5	6		
15	1	3	0	15	1	6	9		
16	1	4	0	16	1	8	0		
17	1	5	0	17	1	9	3		
18	1	6	0	18	1	10	6		
19	1	7	0	19	1	11	9		
20	1	8	0	20	2	1	0		
21	1	9	0	21	2	2	3		
22	1	10	0	22	2	3	6		
23	1	11	0	23	2	4	9		
24	2	0	0	24	2	6	0		
<hr/>				<hr/>					
<i>Inches long</i>	Ft. In. P. S.				<i>Inches long</i>	Ft. In. Pa. S.			
	Ft.	In.	P.	S.		Ft.	In.	Pa.	S.
1	0	0	1	0	1	0	0	1	3
2	0	0	2	0	2	0	0	2	6
3	0	0	3	0	3	0	0	3	9
4	0	0	4	0	4	0	0	5	0
5	0	0	5	0	5	0	0	6	3
6	0	0	6	0	6	0	0	7	6
7	0	0	7	0	7	0	0	8	9
8	0	0	8	0	8	0	0	10	0
9	0	0	9	0	9	0	0	11	3
10	0	0	10	0	10	0	1	0	6
11	0	0	11	0	11	0	1	1	9
<hr/>				<hr/>					
<i>Qrs. In. long</i>	In. Pa. S. T.				<i>Qrs. In. long</i>	In. Pa. S. T.			
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	0	3	0		0	0	3	9
	0	0	6	0		0	0	7	6
	0	0	9	0		0	0	11	3

Feet long	1 $\frac{1}{2}$ broad.			Feet long	1 $\frac{3}{4}$ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	1	6	1	0	1	9
2	0	3	0	2	0	3	6
3	0	4	6	3	0	5	3
4	0	6	0	4	0	7	0
5	0	7	6	5	0	8	9
6	0	9	0	6	0	10	6
7	0	10	6	7	1	0	3
8	1	0	0	8	1	2	0
9	1	1	6	9	1	3	9
10	1	3	0	10	1	5	6
11	1	4	6	11	1	7	3
12	1	6	0	12	1	9	0
13	1	7	6	13	1	10	9
14	1	9	0	14	2	0	6
15	1	10	6	15	2	2	3
16	2	0	0	16	2	4	0
17	2	1	6	17	2	5	9
18	2	3	0	18	2	7	6
19	2	4	6	19	2	9	3
20	2	6	0	20	2	11	0
21	2	7	6	21	3	0	9
22	2	9	0	22	3	2	6
23	2	10	6	23	3	4	3
24	3	0	0	24	3	6	0

Inches long.	Ft. In. Pa. S.				Inches long.	Ft. In. Pa. S.			
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	0	1	6	1	0	0	1	9
2	0	0	3	0	2	0	0	3	6
3	0	0	4	6	3	0	0	5	3
4	0	0	6	0	4	0	0	7	0
5	0	0	7	6	5	0	0	8	9
6	0	0	9	0	6	0	0	10	6
7	0	0	10	6	7	0	1	0	3
8	0	1	0	0	8	0	1	2	0
9	0	1	1	6	9	0	1	3	9
10	0	1	3	0	10	0	1	5	6
11	0	1	4	6	11	0	1	7	3

Yds. In. long.	In. Pa. S. T.				Yds. In. long.	In. Pa. S. T.			
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
1	0	0	4	6	1	0	0	5	3
2	0	0	9	0	2	0	0	10	6
3	0	1	1	6	3	0	1	3	9

Feet long	2 In. broad.			Feet long	2 $\frac{1}{2}$ broad.				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	0	2	0	1	0	2	3		
2	0	4	0	2	0	4	6		
3	0	6	0	3	0	6	9		
4	0	8	0	4	0	9	0		
5	0	10	0	5	0	11	3		
6	1	0	0	6	1	1	6		
7	1	2	0	7	1	3	9		
8	1	4	0	8	1	6	0		
9	1	6	0	9	1	8	3		
10	1	8	0	10	1	10	6		
11	1	10	0	11	2	0	9		
12	2	0	0	12	2	3	0		
13	2	2	0	13	2	5	3		
14	2	4	0	14	2	7	6		
15	2	6	0	15	2	9	9		
16	2	8	0	16	3	0	0		
17	2	10	0	17	3	2	3		
18	3	0	0	18	3	4	6		
19	3	2	0	19	3	6	9		
20	3	4	0	20	3	9	0		
21	3	6	0	21	3	11	3		
22	3	8	0	22	4	1	6		
23	3	10	0	23	4	3	9		
24	4	0	0	24	4	6	0		
Inches long.					Inches long.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	0	2	0	1	0	0	2	3
2	0	0	4	0	2	0	0	4	6
3	0	0	6	0	3	0	0	6	9
4	0	0	8	0	4	0	0	9	0
5	0	0	10	0	5	0	0	11	3
6	0	1	0	0	6	0	1	1	6
7	0	1	2	0	7	0	1	3	9
8	0	1	4	0	8	0	1	6	0
9	0	1	6	0	9	0	1	8	3
10	0	1	8	0	10	0	2	10	6
11	0	1	10	0	11	0	3	0	9
Qrs. In. long.					Qrs. In. long.				
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	0	6	0		0	0	6	9
	0	1	0	0		0	1	1	6
	0	1	6	0		0	1	8	3

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2 $\frac{1}{2}$ broad,					2 $\frac{3}{4}$ broad,				
Feet long		Ft.	In.	Pa.	Feet long		Ft.	In.	Pa.
1	0	2	6		1	0	2	9	
2	0	5	0		2	0	5	6	
3	0	7	6		3	0	8	3	
4	0	10	0		4	0	11	0	
5	1	0	6		5	1	1	9	
6	1	3	0		6	1	4	6	
7	1	5	6		7	1	7	3	
8	1	8	0		8	1	10	0	
9	1	10	6		9	2	0	9	
10	2	1	0		10	2	3	6	
11	2	3	6		11	2	6	3	
12	2	6	0		12	2	9	0	
13	2	8	6		13	2	11	9	
14	2	11	0		14	3	2	6	
15	3	1	6		15	3	5	3	
16	3	4	0		16	3	8	0	
17	3	6	6		17	3	10	9	
18	3	9	0		18	4	1	6	
19	3	11	6		19	4	4	3	
20	4	2	0		20	4	7	0	
21	4	4	6		21	4	9	9	
22	4	7	0		22	5	0	6	
23	4	9	6		23	5	3	3	
24	5	0	0		24	5	6	0	
Inches long.					Inches long.				
		Ft.	In.	Pa. S.			Ft.	In.	Pa. S.
1	0	0	2	6	1	0	0	2	9
2	0	0	5	0	2	0	0	5	6
3	0	0	7	6	3	0	0	8	3
4	0	0	10	0	4	0	0	11	0
5	0	1	0	6	5	0	1	1	9
6	0	1	3	0	6	0	1	4	6
7	0	1	5	6	7	0	1	7	3
8	0	1	8	0	8	0	1	10	0
9	0	1	10	6	9	0	2	0	9
10	0	2	1	0	10	0	2	3	6
11	0	2	3	6	11	0	2	6	3
2 1/2 In. long.					2 3/4 In. long.				
		In.	Pa.	S. T.			In.	Pa.	S. T.
	0	0	7	6		0	0	8	3
	0	1	3	0		0	1	4	6
	0	1	10	6		0	2	0	9

Feet long	3 In. broad.			Feet long	3 1/4 broad.				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	0	3	0	1	0	3	3		
2	0	6	0	2	0	6	6		
3	0	9	0	3	0	9	9		
4	1	0	0	4	1	1	0		
5	1	3	0	5	1	4	3		
6	1	6	0	6	1	7	6		
7	1	9	0	7	1	10	9		
8	2	0	0	8	2	2	0		
9	2	3	0	9	2	5	3		
10	2	6	0	10	2	8	6		
11	2	9	0	11	2	11	9		
12	3	0	0	12	3	3	0		
13	3	3	0	13	3	6	3		
14	3	6	0	14	3	9	6		
15	3	9	0	15	4	0	9		
16	4	0	0	16	4	4	0		
17	4	3	0	17	4	7	3		
18	4	6	0	18	4	10	6		
19	4	9	0	19	5	1	9		
20	5	0	0	20	5	5	0		
21	5	3	0	21	5	8	3		
22	5	6	0	22	5	11	6		
23	5	9	0	23	6	2	9		
24	6	0	0	24	6	6	0		
<hr/>				<hr/>					
Inches long.	Ft. In. Pa. S.				Inches long.	Ft. In. Pa. S.			
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	0	3	0	1	0	0	3	3
2	0	0	6	0	2	0	0	6	6
3	0	0	9	0	3	0	0	9	9
4	0	1	0	0	4	0	1	1	0
5	0	1	3	0	5	0	1	4	3
6	0	1	6	0	6	0	1	7	6
7	0	1	9	0	7	0	1	10	9
8	0	2	0	0	8	0	2	2	0
9	0	2	3	0	9	0	2	5	3
10	0	2	6	0	10	0	2	8	6
11	0	2	9	0	11	0	2	11	9
<hr/>				<hr/>					
27s. In. long.	In. Pa. S. T.				27s. In. long.	In. Pa. S. T.			
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	0	9	0		0	0	9	9
	0	1	6	0		0	1	7	6
	0	2	3	0		0	2	5	3

Ft. long.	3 1/2 broad.			Ft. long.	3 1/2 broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	3	6	1	0	3	9
2	0	7	0	2	0	7	0
3	0	10	6	3	0	11	3
4	1	2	0	4	1	3	0
5	1	5	6	5	1	6	9
6	1	9	0	6	1	10	6
7	2	0	6	7	2	2	3
8	2	4	0	8	2	6	0
9	2	7	6	9	2	9	9
10	2	11	0	10	3	1	9
11	3	2	6	11	3	5	3
12	3	6	0	12	3	9	0
13	3	9	6	13	4	0	9
14	4	1	0	14	4	4	0
15	4	4	6	15	4	8	3
16	4	8	0	16	5	0	0
17	4	11	6	17	5	3	9
18	5	3	0	18	5	7	0
19	5	6	6	19	5	11	3
20	5	10	0	20	6	3	0
21	6	1	6	21	6	6	0
22	6	5	0	22	6	10	0
23	6	8	6	23	7	2	3
24	7	0	0	24	7	6	0

Inch. long.	Ft. In. Pa. S.				Inch. long.	Ft. In. Pa. S.			
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	0	3	6	1	0	0	3	9
2	0	0	7	0	2	0	0	7	0
3	0	0	10	6	3	0	0	11	3
4	0	1	2	0	4	0	1	3	0
5	0	1	5	6	5	0	1	6	9
6	0	1	9	0	6	0	1	10	6
7	0	2	0	6	7	0	2	2	3
8	0	2	4	0	8	0	2	6	0
9	0	2	7	6	9	0	2	9	9
10	0	2	11	0	10	0	3	1	6
11	0	3	2	6	11	0	3	5	3

Drs. In. long.	In. Pa. S. T.				Drs. In. long.	Ft. In. S. T.			
	In.	Pa.	S.	T.		Ft.	In.	S.	T.
1	0	0	10	6	1	0	0	11	3
2	0	1	9	0	2	0	1	10	6
3	0	2	7	6	3	0	2	9	9

4 In. broad.				4 $\frac{1}{2}$ broad.			
Ft. long.		Ft. In. Pa.		Ft. long.		Ft. In. Pa.	
1	0	4	0	1	0	4	3
2	0	8	0	2	0	3	6
3	1	0	0	3	1	0	9
4	1	4	0	4	1	5	0
5	1	8	0	5	1	9	3
6	2	0	0	6	2	1	6
7	2	4	0	7	2	5	9
8	2	8	0	8	2	10	0
9	3	0	0	9	3	2	3
10	3	4	0	10	3	6	6
11	3	8	0	11	3	10	9
12	4	0	0	12	4	3	0
13	4	4	0	13	4	7	3
14	4	8	0	14	4	11	6
15	5	0	0	15	5	3	9
16	5	4	0	16	5	8	0
17	5	8	0	17	6	0	3
18	6	0	0	18	6	4	6
19	6	4	0	19	6	8	9
20	6	8	0	20	7	1	0
21	7	0	0	21	7	5	3
22	7	4	0	22	7	9	6
23	7	8	0	23	8	1	9
24	8	0	0	24	8	6	0
Inches long.				Inches long.			
		Ft. In. Pa. S.				Ft. In. Pa. S.	
1	0	0	4	0	0	4	3
2	0	0	8	0	0	8	6
3	0	1	0	0	1	0	9
4	0	1	4	0	1	5	0
5	0	1	8	0	1	9	3
6	0	2	0	0	2	1	6
7	0	2	4	0	2	5	9
8	0	2	8	0	2	10	0
9	0	3	0	0	3	2	3
10	0	3	4	0	3	6	6
11	0	3	8	0	3	10	9
In. Pa. S. T.				In. Pa. S. T.			
0	1	0	0	0	1	0	9
0	2	0	0	0	2	1	6
0	3	0	0	0	3	2	3

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Ft. long.	4 1/2 broad.			Ft. long.	4 1/2 broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	4	6	1	0	4	9
2	0	9	c	2	0	9	6
3	1	1	c	3	1	2	3
4	1	6	c	4	1	7	0
5	1	10	c	5	1	11	9
6	2	3	c	6	2	4	6
7	2	7	c	7	2	9	3
8	3	0	c	8	3	2	0
9	3	4	c	9	3	6	9
10	3	9	c	10	3	11	6
11	4	1	c	11	4	4	3
12	4	6	c	12	4	9	0
13	4	10	c	13	5	1	9
14	5	3	c	14	5	6	6
15	5	7	c	15	5	11	3
16	6	0	c	16	6	4	0
17	6	4	c	17	6	8	9
18	6	9	c	18	7	1	6
19	7	1	c	19	7	6	3
20	7	6	c	20	7	11	0
21	7	10	c	21	8	3	9
22	8	3	c	22	8	8	6
23	8	7	c	23	9	1	3
24	9	0	c	24	9	6	c

Inches long.	Ft. In. Pa. S.				Inches long.	Ft. In. Pa. S.			
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	0	4	c	1	0	0	4	9
2	0	0	9	c	2	0	0	9	6
3	0	1	1	c	3	0	1	2	3
4	0	1	6	c	4	0	1	7	0
5	0	1	10	c	5	0	1	11	9
6	0	2	3	c	6	0	2	4	6
7	0	2	7	c	7	0	2	9	3
8	0	3	0	c	8	0	3	2	0
9	0	3	4	c	9	0	3	6	9
10	0	3	9	c	10	0	3	11	6
11	0	4	1	c	11	0	4	4	3

Drs. In. long.	In. Pa. S. T.				Drs. In. long.	In. Pa. S. T.			
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
1	0	1	1	c	1	0	1	2	3
2	0	2	3	c	2	0	2	4	6
3	0	3	4	c	3	0	3	6	0

Feet long.	5 In. broad.			Feet long.	5 1/2 broad.				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	0	5	0	1	0	5	3		
2	0	10	0	2	0	10	6		
3	1	3	0	3	1	3	9		
4	1	8	0	4	1	9	0		
5	2	1	0	5	2	2	3		
6	2	6	0	6	2	7	6		
7	2	11	0	7	3	0	9		
8	3	4	0	8	3	6	0		
9	3	9	0	9	3	11	3		
10	4	2	0	10	4	4	6		
11	4	7	0	11	4	9	9		
12	5	0	0	12	5	3	0		
13	5	5	0	13	5	8	3		
14	5	10	0	14	6	1	6		
15	6	3	0	15	6	6	9		
16	6	8	0	16	7	0	0		
17	7	1	0	17	7	5	3		
18	7	6	0	18	7	10	6		
19	7	11	0	19	8	3	9		
20	8	4	0	20	8	9	0		
21	8	9	0	21	9	2	3		
22	9	2	0	22	9	7	6		
23	9	7	0	23	10	0	9		
24	10	0	0	24	10	6	0		
Inches long.	Ft. In. Pa. S.				Inches long.	Ft. In. Pa. S.			
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	0	5	0	1	0	0	5	3
2	0	0	10	0	2	0	0	10	6
3	0	1	3	0	3	0	1	3	9
4	0	1	8	0	4	0	1	9	0
5	0	2	1	0	5	0	2	2	3
6	0	2	6	0	6	0	2	7	6
7	0	2	11	0	7	0	3	0	9
8	0	3	4	0	8	0	3	6	0
9	0	3	9	0	9	0	3	11	3
10	0	4	2	0	10	0	4	9	6
11	0	4	7	0	11	0	4	4	9
Frs. In. long.	In. Pa. S. T.				Frs. In. long.	In. Pa. S. T.			
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
0	1	3	0	0	0	1	3	9	0
0	2	6	0	0	0	2	7	6	0
0	3	9	0	0	0	3	11	3	0

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5 $\frac{1}{2}$ broad.				5 $\frac{1}{4}$ broad.					
Feet long	Ft. In. Pa.			Feet long	Ft. In. Pa.				
1	0	5	6	1	0	5	9		
2	0	11	0	2	0	11	6		
3	1	4	6	3	1	5	3		
4	1	10	0	4	1	11	0		
5	2	3	6	5	2	4	9		
6	2	9	0	6	2	10	6		
7	3	2	6	7	3	4	3		
8	3	8	0	8	3	10	0		
9	4	1	6	9	4	3	9		
10	4	7	0	10	4	9	6		
11	5	0	6	11	5	3	3		
12	5	6	0	12	5	9	0		
13	5	11	6	13	6	2	9		
14	6	5	0	14	6	8	6		
15	6	10	6	15	7	2	3		
16	7	4	0	16	7	8	0		
17	7	9	6	17	8	1	9		
18	8	3	0	18	8	7	6		
19	8	8	6	19	9	1	3		
20	9	2	0	20	9	7	0		
21	9	7	6	21	10	0	9		
22	10	1	0	22	10	6	6		
23	10	6	6	23	11	2	3		
24	11	0	0	24	11	8	0		
Inches long.				Inches long.					
Ft. In. Pa. S.				Ft. In. Pa. S.					
1	0	0	5	6	1	0	0	5	9
2	0	0	11	0	2	0	0	11	6
3	0	1	4	6	3	0	1	5	3
4	0	1	10	0	4	0	1	11	0
5	0	2	3	6	5	0	2	4	9
6	0	2	9	0	6	0	2	10	6
7	0	3	2	6	7	0	3	4	3
8	0	3	8	0	8	0	3	10	0
9	0	4	1	6	9	0	4	3	9
10	0	4	7	0	10	0	4	9	6
11	0	5	0	6	11	0	5	3	3
Yds. In. long.				Yds. In. long.					
In. Pa. S. T.				In. Pa. S. T.					
0 1 4 6				0 1 5 3					
0 2 9 0				0 2 10 6					
0 4 1 6				0 4 3 9					

Feet long.	In. broad.			Feet long.	6 $\frac{1}{4}$ broad.			
	Ft.	In.	Pa.		Ft.	In.	Pa.	
1	0	6	0	1	0	6	3	
2	1	0	0	2	1	0	6	
3	1	6	0	3	1	6	9	
4	2	0	0	4	2	1	0	
5	2	6	0	5	2	7	3	
6	3	0	0	6	3	1	6	
7	3	6	0	7	3	7	9	
8	4	0	0	8	4	2	0	
9	4	6	0	9	4	8	3	
10	5	0	0	10	5	2	6	
11	5	6	0	11	5	8	9	
12	6	0	0	12	6	3	0	
13	6	6	0	13	6	9	3	
14	7	0	0	14	7	3	6	
15	7	6	0	15	7	9	9	
16	8	0	0	16	8	4	0	
17	8	6	0	17	8	10	3	
18	9	0	0	18	9	4	6	
19	9	6	0	19	9	10	9	
20	10	0	0	20	10	5	0	
21	10	6	0	21	10	11	3	
22	11	0	0	22	11	5	6	
23	11	6	0	23	11	11	9	
24	12	0	0	24	12	6	0	
Inches long.				Inches long.				
	Ft.	In.	P. S.		Ft.	In.	Pa. S.	
1	0	0	6	0	0	6	3	
2	0	1	0	2	0	1	0	6
3	0	1	6	3	0	1	6	9
4	0	2	0	4	0	2	1	0
5	0	2	6	5	0	2	7	3
6	0	3	0	6	0	3	1	6
7	0	3	6	7	0	3	7	9
8	0	4	0	8	0	4	2	0
9	0	4	6	9	0	4	8	3
10	0	5	0	10	0	5	2	6
11	0	5	6	11	0	5	8	9
Qu. In. long.				Qu. In. long.				
	In.	Pa.	S. T.		In.	Pa.	S. T.	
0	1	6	0	0	1	6	9	
0	3	0	0	0	3	1	0	
0	4	6	0	0	4	8	3	

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6 $\frac{1}{2}$ broad.				6 $\frac{1}{2}$ broad.			
Ft. long.		In.	Pa.	Ft. long.		In.	Pa.
1	0	6	6	1	0	6	9
2	1	1	0	2	1	1	6
3	1	7	6	3	1	8	3
4	2	2	0	4	2	3	0
5	2	8	6	5	2	9	9
6	3	3	0	6	3	4	6
7	3	9	6	7	3	11	3
8	4	4	0	8	4	6	0
9	4	10	6	9	5	0	9
10	5	5	0	10	5	7	6
11	5	11	6	11	6	2	3
12	6	6	0	12	6	9	0
13	7	0	6	13	7	3	9
14	7	7	0	14	7	10	6
15	8	1	6	15	8	5	3
16	8	8	0	16	9	0	0
17	9	2	6	17	9	6	9
18	9	9	0	18	10	1	6
19	10	3	6	19	10	8	3
20	10	10	0	20	11	3	0
21	11	4	6	21	11	9	9
22	11	11	0	22	12	4	6
23	12	5	6	23	12	11	3
24	13	0	0	24	13	6	0
Inches long.				Inches long.			
Ft.		In.	Pa. S.	Ft.		In.	Pa. S.
1	0	0	6 6	1	0	0	6 9
2	0	1	1 0	2	0	1	1 6
3	0	1	7 6	3	0	1	8 3
4	0	2	2 0	4	0	2	3 0
5	0	2	8 6	5	0	2	9 9
6	0	3	3 0	6	0	3	4 6
7	0	3	9 6	7	0	3	11 3
8	0	4	4 0	8	0	4	6 0
9	0	4	10 6	9	0	5	0 9
10	0	5	5 0	10	0	5	7 6
11	0	5	11 6	11	0	6	2 3
Ft. in. long.				Ft. in. long.			
In.		Pa.	S. T.	In.		Pa.	S. T.
0	1	7	6	0	1	8	3
0	3	3	0	0	3	4	6
0	4	10	6	0	4	0	9

Feet long.	7 In. broad.			Feet long.	7 1/4 broad.				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	0	7	0	1	0	7	3		
2	1	2	0	2	1	2	6		
3	1	9	0	3	1	9	9		
4	2	4	0	4	2	5	0		
5	2	11	0	5	3	0	3		
6	3	6	0	6	3	7	6		
7	4	1	0	7	4	2	9		
8	4	8	0	8	4	10	0		
9	5	3	0	9	5	5	3		
10	5	10	0	10	6	0	6		
11	6	5	0	11	6	7	9		
12	7	0	0	12	7	3	0		
13	7	7	0	13	7	10	3		
14	8	2	0	14	8	5	6		
15	8	9	0	15	9	0	9		
16	9	4	0	16	9	8	0		
17	9	11	0	17	10	3	3		
18	10	6	0	18	10	10	6		
19	11	1	0	19	11	5	9		
20	11	8	0	20	12	1	0		
21	12	3	0	21	12	8	3		
22	12	10	0	22	13	3	6		
23	13	5	0	23	13	10	9		
24	14	0	0	24	14	6	0		
Inches long.	Ft. In. Pa. S.				Inches long.	Ft. In. Pa. S.			
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	0	7	0	1	0	0	7	3
2	0	1	2	0	2	0	1	2	6
3	0	1	9	0	3	0	1	9	9
4	0	2	4	0	4	0	2	5	0
5	0	2	11	0	5	0	3	0	3
6	0	3	6	0	6	0	3	7	6
7	0	4	1	0	7	0	4	2	9
8	0	4	8	0	8	0	4	10	0
9	0	5	3	0	9	0	5	5	3
10	0	5	10	0	10	0	6	0	6
11	0	6	5	0	11	0	6	7	9
Qrs. In. long.	In. Pa. S. T.				Qrs. In. long.	In. Pa. S. T.			
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
0	1	9	0	0	0	1	9	0	0
0	3	6	0	0	0	3	7	6	0
0	5	3	0	0	0	5	5	3	0

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7 1/2 broad.				7 1/2 broad.			
Ft. long.		Ft. In. Pa.		Ft. long.		Ft. In. Pa.	
1	0	7	6	1	0	7	9
2	1	8	0	2	1	3	6
3	1	10	6	3	1	11	3
4	2	6	0	4	2	7	0
5	3	1	6	5	3	2	9
6	3	9	0	6	3	10	6
7	4	4	6	7	4	6	3
8	5	0	0	8	5	2	0
9	5	7	6	9	5	9	9
10	6	3	0	10	6	5	6
11	6	10	6	11	7	1	3
12	7	6	0	12	7	9	0
13	8	1	6	13	8	4	9
14	8	9	0	14	9	0	6
15	9	4	6	15	9	8	3
16	10	0	0	16	10	4	0
17	10	7	6	17	10	11	9
18	11	3	0	18	11	7	6
19	11	10	6	19	12	3	3
20	12	6	0	20	12	11	0
21	13	1	6	21	13	6	9
22	13	9	0	22	14	2	6
23	14	4	6	23	14	10	3
24	15	0	0	24	15	6	0

Inch. long.				Inch. long.					
Ft. In. Pa. S.		Ft. In. Pa. S.		Ft. In. Pa. S.		Ft. In. Pa. S.			
1	0	0	7	6	1	0	0	7	9
2	0	1	3	0	2	0	1	3	0
3	0	1	10	6	3	0	1	11	3
4	0	2	6	0	4	0	2	7	0
5	0	3	1	6	5	0	3	2	9
6	0	3	9	0	6	0	3	10	6
7	0	4	4	6	7	0	4	6	3
8	0	5	0	0	8	0	5	2	0
9	0	5	7	6	9	0	5	9	9
10	0	6	3	0	10	0	6	5	6
11	0	6	10	6	11	0	7	1	3

Drs. In. long.				Drs. In. long.			
In. Pa. S. T.		In. Pa. S. T.		Ft. In. S. T.		Ft. In. S. T.	
0	1	10	6	0	1	11	3
0	3	9	0	0	3	10	6
0	5	7	6	0	5	9	9

8 In. broad.				8 1/2 broad.			
Feet long.		Ft. In. Pa.		Feet long.		Ft. In. Pa.	
1	0	8	0	1	0	8	3
2	1	4	0	2	1	4	6
3	2	0	0	3	2	0	9
4	2	8	0	4	2	9	0
5	3	4	0	5	3	5	3
6	4	0	0	6	4	1	6
7	4	8	0	7	4	9	9
8	5	4	0	8	5	6	0
9	6	0	0	9	6	2	3
10	6	8	0	10	6	10	6
11	7	4	0	11	7	6	9
12	8	0	0	12	8	3	0
13	8	8	0	13	8	11	3
14	9	4	0	14	9	7	6
15	10	0	0	15	10	3	9
16	10	8	0	16	11	0	0
17	11	4	0	17	11	8	3
18	12	0	0	18	12	4	6
19	12	8	0	19	13	0	9
20	13	4	0	20	13	9	0
21	14	0	0	21	14	5	3
22	14	8	0	22	15	1	6
23	15	4	0	23	15	9	9
24	16	0	0	24	16	6	0
Inches long.				Inches long.			
		Ft. In. Pa. S.				Ft. In. Pa. S.	
1	0	0	8	1	0	0	8
2	0	1	4	2	0	1	4
3	0	2	0	3	0	2	0
4	0	2	8	4	0	2	9
5	0	3	4	5	0	3	5
6	0	4	0	6	0	4	1
7	0	4	8	7	0	4	9
8	0	5	4	8	0	5	6
9	0	6	0	9	0	6	2
10	0	6	8	10	0	6	10
11	0	7	4	11	0	7	6
Feet long.				Feet long.			
		In. Pa. S. T.				In. Pa. S. T.	
0	2	0	0	0	2	0	9
0	4	0	0	0	4	1	6
0	6	0	0	0	6	2	3

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Ft. long.	8 $\frac{1}{2}$ broad.			Ft. long.	8 $\frac{1}{4}$ broad.						
	Ft.	In.	Pa.		Ft.	In.	Pa.				
1	0	8	6	1	0	8	9				
2	1	5	0	2	1	5	6				
3	2	1	0	3	2	2	3				
4	2	10	0	4	2	11	0				
5	3	6	6	5	3	7	9				
6	4	3	0	6	4	4	6				
7	4	11	0	7	5	1	3				
8	5	8	0	8	5	10	0				
9	6	4	0	9	6	6	9				
10	7	1	0	10	7	3	6				
11	7	9	0	11	8	0	3				
12	8	6	0	12	8	9	0				
13	9	2	0	13	9	5	9				
14	9	11	0	14	10	2	6				
15	10	7	6	15	10	11	3				
16	11	4	0	16	11	8	0				
17	12	0	0	17	12	4	9				
18	12	9	0	18	13	1	6				
19	13	5	6	19	13	10	3				
20	14	2	0	20	14	7	0				
21	14	10	6	21	15	3	9				
22	15	7	0	22	16	0	6				
23	16	3	6	23	16	9	3				
24	17	0	0	24	17	6	0				
Inches long.	Ft. In. Pa. S.				Inches long.	Ft. In. Pa. S.					
	1	0	0	8		6	1	0	0	8	9
	2	0	1	5		0	2	0	1	5	6
	3	0	2	1		0	2	0	2	2	3
	4	0	2	10		0	4	0	2	11	0
	5	0	3	6		6	5	0	3	7	9
	6	0	4	3		0	6	0	4	4	6
	7	0	4	11		0	7	0	5	1	3
	8	0	5	8		0	8	0	5	10	0
	9	0	6	4		0	9	0	6	6	9
	10	0	7	1		0	10	0	7	3	6
	11	0	7	9		6	11	0	8	0	3
Qrs. In. long.	In. Pa. S. T.				Qrs. In. long.	In. Pa. S. T.					
	0	2	1	6		0	2	2	3		
	0	4	3	0		0	4	4	6		
	0	6	2	0		0	6	6	9		

9 In. broad.				9 1/2 In. broad.			
Ft. long.				Ft. long.			
Ft.	In.	Pa.		Ft.	In.	Pa.	
1	0	9	0	1	0	9	3
2	1	6	0	2	1	6	6
3	2	3	0	3	2	3	9
4	3	0	0	4	3	1	0
5	3	9	0	5	3	10	3
6	4	6	0	6	4	7	6
7	5	3	0	7	5	4	9
8	6	0	0	8	6	2	0
9	6	9	0	9	6	11	3
10	7	6	0	10	7	8	6
11	8	3	0	11	8	5	9
12	9	0	0	12	9	3	0
13	9	9	0	13	10	0	3
14	10	6	0	14	10	9	6
15	11	3	0	15	11	6	9
16	12	0	0	16	12	4	0
17	12	9	0	17	13	1	3
18	13	6	0	18	13	10	6
19	14	3	0	19	14	7	9
20	15	0	0	20	15	5	0
21	15	9	0	21	16	2	3
22	16	6	0	22	16	11	6
23	17	3	0	23	17	8	9
24	18	0	0	24	18	6	0
Inches long.				Inches long.			
Ft.	In.	Pa.	S.	Ft.	In.	Pa.	S.
1	0	0	9	1	0	0	9
2	0	1	6	2	0	1	6
3	0	2	3	3	0	2	3
4	0	3	0	4	0	3	1
5	0	3	9	5	0	3	10
6	0	4	6	6	0	4	7
7	0	5	3	7	0	5	4
8	0	6	0	8	0	6	2
9	0	6	9	9	0	6	11
10	0	7	6	10	0	7	8
11	0	8	3	11	0	8	5
Pcs. In. long.				Pcs. In. long.			
In.	Pa.	S.	T.	In.	Pa.	S.	T.
0	2	3	0	0	2	3	9
0	4	6	0	0	4	7	6
0	6	9	0	0	6	11	3

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9 $\frac{1}{2}$ broad.				9 $\frac{3}{4}$ broad.			
Feet long.		Ft.	In. Pa.	Feet long.		Ft.	In. Pa.
1	0	9	6	1	0	9	9
2	1	7	0	2	1	7	6
3	2	4	6	3	2	5	3
4	3	2	0	4	3	3	0
5	4	1	6	5	4	0	9
6	5	0	6	6	4	10	6
7	6	0	6	7	5	8	3
8	7	1	6	8	6	6	0
9	8	2	6	9	7	3	9
10	9	3	6	10	8	1	6
11	10	4	6	11	8	11	3
12	11	5	6	12	9	9	0
13	12	6	6	13	10	6	9
14	13	7	6	14	11	4	6
15	14	8	6	15	12	2	3
16	15	9	6	16	13	0	0
17	16	10	6	17	13	9	9
18	17	11	6	18	14	7	6
19	18	12	6	19	15	5	3
20	19	13	6	20	16	3	0
21	20	14	6	21	17	0	9
22	21	15	6	22	17	10	6
23	22	16	6	23	18	8	3
24	23	17	6	24	19	6	0
Inches long.				Inches long.			
		Ft.	In. Pa. S.			Ft.	In. Pa. S.
1	0	0	9 6	1	0	0	9 9
2	0	1	7 0	2	0	1	7 6
3	0	2	4 6	3	0	2	5 3
4	0	3	2 0	4	0	3	3 0
5	0	3	11 6	5	0	4	0 9
6	0	4	9 0	6	0	4	10 6
7	0	5	6 6	7	0	5	8 3
8	0	6	4 0	8	0	6	6 0
9	0	7	1 6	9	0	7	3 9
10	0	7	11 9	10	0	8	1 6
11	0	8	8 6	11	0	8	11 3
Qrs. In. long.				Qrs. In. long.			
		In.	Pa. S. T.			In.	Pa. S. T.
1	0	2	4 6	1	0	2	5 3
2	0	4	9 0	2	0	4	10 6
3	0	7	1 6	3	0	7	3 9

Feet long.	to In. broad.			Feet long.	to $\frac{1}{2}$ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	10	0	1	0	10	3
2	1	8	0	2	1	8	6
3	2	6	0	3	2	6	9
4	3	4	0	4	3	5	0
5	4	2	0	5	4	3	3
6	5	0	0	6	5	1	6
7	5	10	0	7	5	11	9
8	6	8	0	8	6	10	0
9	7	6	0	9	7	8	3
10	8	4	0	10	8	6	6
11	9	2	0	11	9	4	9
12	10	0	0	12	10	3	0
13	10	10	0	13	11	1	3
14	11	8	0	14	11	11	6
15	12	6	0	15	12	9	9
16	13	4	0	16	13	8	0
17	14	2	0	17	14	6	3
18	15	0	0	18	15	4	6
19	15	10	0	19	16	2	9
20	16	8	0	20	17	1	0
21	17	6	0	21	17	11	3
22	18	4	0	22	18	9	6
23	19	2	0	23	19	7	9
24	20	0	0	24	20	6	0

Inches long.	Ft. In. P. S.				Inches long.	Ft. In. Pa. S.			
	Ft.	In.	P.	S.		Ft.	In.	Pa.	S.
1	0	0	10	0	1	0	0	10	3
2	0	1	8	0	2	0	1	8	6
3	0	2	6	0	3	0	2	6	9
4	0	3	4	0	4	0	3	5	0
5	0	4	2	0	5	0	4	3	3
6	0	5	0	0	6	0	5	1	6
7	0	5	10	0	7	0	5	11	9
8	0	6	8	0	8	0	6	10	0
9	0	7	6	0	9	0	7	8	3
10	0	8	4	0	10	0	8	6	6
11	0	9	2	0	11	0	9	4	9

Dis. In. long.	In. Pa. S. T.				Dis. In. long.	In. Pa. S. T.			
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
1	0	2	6	0	1	0	2	6	9
2	0	5	0	0	2	0	5	1	6
3	0	7	6	0	3	0	7	8	3

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10 $\frac{1}{2}$ broad.		10 $\frac{1}{4}$ broad.	
Ft. In. Pa.		Ft. In. Pa.	
1	0 10 6	1	0 10 9
2	1 9 0	2	1 9 6
3	2 7 6	3	2 8 3
4	3 6 0	4	3 7 0
5	4 4 6	5	4 5 9
6	5 3 0	6	5 4 6
7	6 1 6	7	6 3 3
8	7 0 0	8	7 2 0
9	7 10 6	9	8 0 9
10	8 9 0	10	8 11 6
11	9 7 6	11	9 10 3
12	10 6 0	12	10 9 0
13	11 4 6	13	11 7 9
14	12 3 0	14	12 6 6
15	13 1 6	15	13 5 3
16	14 0 0	16	14 4 0
17	14 10 6	17	15 2 9
18	15 9 0	18	16 1 6
19	16 7 6	19	17 0 3
20	17 6 0	20	17 11 0
21	18 4 6	21	18 9 9
22	19 3 0	22	19 8 6
23	20 1 6	23	20 7 3
24	21 0 0	24	21 6 0
Inches long.		Inches long.	
Ft. In. Pa. S.		Ft. In. Pa. S.	
1	0 0 10 6	1	0 0 10 9
2	0 1 9 0	2	0 1 9 6
3	0 2 7 6	3	0 2 8 3
4	0 3 6 0	4	0 3 7 0
5	0 4 4 6	5	0 4 5 9
6	0 5 3 0	6	0 5 4 6
7	0 6 1 6	7	0 6 3 3
8	0 7 0 0	8	0 7 2 0
9	0 7 10 6	9	0 8 0 9
10	0 8 9 0	10	0 8 11 6
11	0 9 7 6	11	0 9 10 3
Yds. In. long.		Yds. In. long.	
In. Pa. S. T.		In. Pa. S. T.	
0	2 7 6	0	2 8 3
0	5 3 0	0	5 4 6
0	7 10 6	0	8 0 9

Feet long.	11 In. broad.			Feet long.	11 $\frac{1}{2}$ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	0	11	0	1	0	11	3
2	1	10	0	2	1	10	6
3	2	9	0	3	2	9	9
4	3	8	0	4	3	9	0
5	4	7	0	5	4	8	3
6	5	6	0	6	5	7	6
7	6	5	0	7	6	6	9
8	7	4	0	8	7	6	0
9	8	3	0	9	8	5	3
10	9	2	0	10	9	4	6
11	10	1	0	11	10	3	9
12	11	0	0	12	11	3	0
13	11	11	0	13	12	2	3
14	12	10	0	14	13	1	6
15	13	9	0	15	14	0	9
16	14	8	0	16	15	0	0
17	15	7	0	17	15	11	3
18	16	6	0	18	16	10	6
19	17	5	0	19	17	9	9
20	18	4	0	20	18	9	0
21	19	3	0	21	19	8	3
22	20	2	0	22	20	7	6
23	21	1	0	23	21	6	9
24	22	0	0	24	22	6	0

Inches long.					Inches long.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	0	11	0	1	0	0	11	3
2	0	1	10	0	2	0	1	10	6
3	0	2	9	0	3	0	2	9	9
4	0	3	8	0	4	0	3	9	0
5	0	4	7	0	5	0	4	8	3
6	0	5	6	0	6	0	5	7	6
7	0	6	5	0	7	0	6	6	9
8	0	7	4	0	8	0	7	6	0
9	0	8	3	0	9	0	8	5	3
10	0	9	2	0	10	0	9	4	6
11	0	10	1	0	11	0	10	3	9

Yds. In. long.					Yds. In. long.				
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
0	2	9	0	0	0	2	9	0	0
0	5	6	0	0	0	5	7	6	0
0	8	3	0	0	0	8	5	3	0

Ft. long	11 $\frac{1}{2}$ broad			Ft. long	11 $\frac{1}{2}$ broad.				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	0	11	6	1	0	11	9		
2	1	11	0	2	1	11	6		
3	2	10	6	3	2	11	3		
4	3	10	0	4	3	11	0		
5	4	9	6	5	4	10	9		
6	5	9	0	6	5	10	6		
7	6	8	6	7	6	10	3		
8	7	8	0	8	7	10	0		
9	8	7	6	9	8	9	9		
10	9	7	0	10	9	9	6		
11	10	6	6	11	10	9	3		
12	11	6	0	12	11	9	0		
13	12	5	6	13	12	8	9		
14	13	5	0	14	13	8	6		
15	14	4	6	15	14	8	3		
16	15	4	0	16	15	8	0		
17	16	3	6	17	16	7	9		
18	17	3	0	18	17	7	6		
19	18	2	6	19	18	7	3		
20	19	2	0	20	19	7	0		
21	20	1	6	21	20	6	9		
22	21	1	0	22	21	6	6		
23	22	0	6	23	22	6	3		
24	23	0	0	24	23	6	0		
Inch. long.					Inch. long.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	0	11	6	1	0	0	11	9
2	0	1	11	0	2	0	1	11	6
3	0	2	10	6	3	0	2	11	3
4	0	3	10	0	4	0	3	11	0
5	0	4	9	6	5	0	4	10	9
6	0	5	9	0	6	0	5	10	6
7	0	6	8	6	7	0	6	10	3
8	0	7	8	0	8	0	7	10	0
9	0	8	7	6	9	0	8	9	9
10	0	9	7	0	10	0	9	9	6
11	0	10	6	6	11	0	10	9	3
Qrs. In. long.					Qrs. In. long.				
	In.	Pa.	S.	T.		Ft.	In.	S.	T.
1	0	2	10	6	1	0	2	11	3
2	0	5	9	0	2	0	5	10	6
3	0	8	7	6	3	0	8	9	9

12 ln. broad.				12 1/4 broad.			
Ft. ln. Pa.				Ft. ln. Pa.			
Feet long.				Feet long.			
1	1	0	0	1	1	0	3
2	2	0	0	2	2	0	6
3	3	0	0	3	3	0	9
4	4	0	0	4	4	1	0
5	5	0	0	5	5	1	3
6	6	0	0	6	6	1	6
7	7	0	0	7	7	1	9
8	8	0	0	8	8	2	0
9	9	0	0	9	9	2	3
10	10	0	0	10	10	2	6
11	11	0	0	11	11	2	9
12	12	0	0	12	12	3	0
13	13	0	0	13	13	3	3
14	14	0	0	14	14	3	6
15	15	0	0	15	15	3	9
16	16	0	0	16	16	4	0
17	17	0	0	17	17	4	3
18	18	0	0	18	18	4	6
19	19	0	0	19	19	4	9
20	20	0	0	20	20	5	0
21	21	0	0	21	21	5	3
22	22	0	0	22	22	5	6
23	23	0	0	23	23	5	9
24	24	0	0	24	24	6	0
Inches long.				Inches long.			
Ft. ln. Pa. S.				Ft. ln. Pa. S.			
1	0	1	0	0	1	0	3
2	0	2	0	0	2	0	6
3	0	3	0	0	3	0	9
4	0	4	0	0	4	1	0
5	0	5	0	0	5	1	3
6	0	6	0	0	6	1	6
7	0	7	0	0	7	1	9
8	0	8	0	0	8	2	0
9	0	9	0	0	9	2	3
10	0	10	0	0	10	2	6
11	0	11	0	0	11	2	9
Ft. ln. long.				Ft. ln. long.			
In. Pa. S. T.				In. Pa. S. T.			
	0	3	0	0	3	0	9
	0	6	0	0	6	1	6
	0	9	0	0	9	2	3

OF FLAT MEASURE. 163

12 $\frac{1}{2}$ broad.				12 $\frac{1}{4}$ broad.			
Ft. long.		Ft. In. Pa.		Ft. long.		Ft. In. Pa.	
1	1	0	6	1	1	9	9
2	2	1	c	2	2	1	6
3	3	1	c	3	3	2	3
4	4	2	c	4	4	3	c
5	5	2	6	5	5	3	9
6	6	3	c	6	6	4	6
7	7	3	6	7	7	5	3
8	8	4	c	8	8	6	0
9	9	4	6	9	9	6	9
10	10	5	c	10	10	7	6
11	11	5	6	11	11	8	3
12	12	6	c	12	12	9	0
13	13	6	6	13	13	9	9
14	14	7	0	14	14	10	6
15	15	7	6	15	15	11	3
16	16	8	c	16	17	0	0
17	17	8	c	17	18	0	9
18	18	9	c	18	19	1	6
19	19	9	6	19	20	2	3
20	20	10	c	20	21	3	0
21	21	10	6	21	22	3	9
22	22	11	c	22	23	4	6
23	23	11	c	23	24	5	3
24	25	0	c	24	25	6	c
Inches long.				Inches long.			
		Ft. In. Pa. S.				Ft. In. Pa. S.	
1	0	1	0 c	1	0	1	0 9
2	0	2	1 c	2	0	2	1 6
3	0	3	1 c	2	0	3	2 3
4	0	4	2 c	4	0	4	3 0
5	0	5	2 c	5	0	5	3 9
6	0	6	3 c	6	0	6	4 6
7	0	7	3 c	7	0	7	5 3
8	0	8	4 c	8	0	8	6 c
9	0	9	4 c	9	0	9	6 9
10	0	10	5 c	10	0	10	7 6
11	0	11	5 6	11	0	11	8 3
Qrs. In. long.				Qrs. In. long.			
		In. Pa. S. T.				In. Pa. S. T.	
	0	3	1 c		0	3	2 3
	0	6	3 c		0	6	4 6
	0	9	4 c		0	9	6 c

<i>Feet long.</i>	13 In. broad.			<i>Feet long.</i>	13 $\frac{1}{2}$ broad.				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	1	1	0	1	1	1	3		
2	2	2	0	2	2	2	6		
3	3	3	0	3	3	3	9		
4	4	4	0	4	4	5	0		
5	5	5	0	5	5	6	3		
6	6	6	0	6	6	7	6		
7	7	7	0	7	7	8	9		
8	8	8	0	8	8	10	0		
9	9	9	0	9	9	11	3		
10	10	10	0	10	11	0	6		
11	11	11	0	11	12	1	9		
12	13	0	0	12	13	3	0		
13	14	1	0	13	14	4	3		
14	15	2	0	14	15	5	6		
15	16	3	0	15	16	6	9		
16	17	4	0	16	17	8	0		
17	18	5	0	17	18	9	3		
18	19	6	0	18	19	10	6		
19	20	7	0	19	20	11	9		
20	21	8	0	20	22	1	0		
21	22	9	0	21	23	2	3		
22	23	10	0	22	24	3	6		
23	24	11	0	23	25	4	9		
24	26	0	0	24	26	6	0		
<hr/>				<hr/>					
<i>Inches long.</i>	Ft. In. Pa. S.				<i>Inches long.</i>	Ft. In. Pa. S.			
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	1	1	0	1	0	1	1	3
2	0	2	2	0	2	0	2	2	6
3	0	3	3	0	3	0	3	3	9
4	0	4	4	0	4	0	4	5	0
5	0	5	5	0	5	0	5	6	3
6	0	6	6	0	6	0	6	7	6
7	0	7	7	0	7	0	7	8	9
8	0	8	8	0	8	0	8	10	0
9	0	9	9	0	9	0	9	11	3
10	0	10	10	0	10	0	11	0	6
11	0	11	11	0	11	0	0	1	9
<hr/>				<hr/>					
<i>Qrs. In. long.</i>	In. Pa. S. T.				<i>Qrs. In. long.</i>	In. Pa. S. T.			
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
0	3	3	0	0	0	3	3	9	0
0	6	6	0	0	0	6	7	6	0
0	9	9	0	0	0	9	11	3	0

Of FLAT MEASURE. 165

13 $\frac{1}{2}$ broad.				13 $\frac{1}{2}$ broad.			
Feet long.	Ft.		Pa.	Feet long.	Ft.		Pa.
		In.				In.	
1	1	1	6	1	1	1	9
2	2	3	0	2	2	3	6
3	3	4	6	3	3	5	3
4	4	6	0	4	4	7	0
5	5	7	6	5	5	8	9
6	6	9	0	6	6	10	6
7	7	10	6	7	8	0	3
8	9	0	0	8	9	2	0
9	10	1	6	9	10	3	9
10	11	3	0	10	11	5	6
11	12	4	6	11	12	7	3
12	13	6	0	12	13	9	0
13	14	7	6	13	14	10	9
14	15	9	0	14	16	0	6
15	16	10	6	15	17	2	3
16	18	0	0	16	18	4	0
17	19	1	6	17	19	5	9
18	20	3	0	18	20	7	6
19	21	4	6	19	21	9	3
20	22	6	0	20	22	11	0
21	23	7	6	21	24	0	9
22	24	9	0	22	25	2	6
23	25	10	6	23	26	4	3
24	27	0	0	24	27	6	0

Inches long.				Inches long.					
Inches long.	Ft.		Pa.	S.	Inches long.	Ft.		Pa.	S.
		In.					In.		
1	0	1	1	6	1	0	1	1	9
2	0	2	3	0	2	0	2	3	6
3	0	3	4	6	3	0	3	5	3
4	0	4	6	0	4	0	4	7	0
5	0	5	7	6	5	0	5	8	9
6	0	6	9	0	6	0	6	10	6
7	0	7	10	6	7	0	8	0	3
8	0	9	0	0	8	0	9	2	0
9	0	10	1	6	9	0	10	3	9
10	0	11	3	0	10	0	11	5	6
11	1	0	4	6	11	1	0	7	3

Overs In. long.				Overs In. long.							
Overs In. long.	In.		Pa.	S.	T.	Overs In. long.	In.		Pa.	S.	T.
	0	3	4	6		0	3	5	3		
	0	6	9	0		0	6	10	6		
	0	10	1	6		0	10	3	9		

Feet long.	14 in. broad.			Feet long.	14 1/2 broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	2	0	1	2	3	
2	2	4	0	2	4	6	
3	3	6	0	3	6	9	
4	4	8	0	4	9	0	
5	5	10	0	5	11	3	
6	7	0	0	6	1	6	
7	8	2	0	7	3	9	
8	9	4	0	8	6	0	
9	10	6	0	9	8	3	
10	11	8	0	10	10	6	
11	12	10	0	11	13	9	
12	14	0	0	12	14	0	
13	15	2	0	13	15	3	
14	16	4	0	14	16	6	
15	17	6	0	15	17	9	
16	18	8	0	16	19	0	
17	19	10	0	17	20	3	
18	21	0	0	18	21	6	
19	22	2	0	19	22	9	
20	23	4	0	20	23	0	
21	24	6	0	21	24	3	
22	25	8	0	22	26	6	
23	26	10	0	23	27	9	
24	28	0	0	24	28	0	

Inches long.	Ft. In. P. S.				Inches long.	Ft. In. Pa. S.			
	Ft.	In.	P.	S.		Ft.	In.	Pa.	S.
1	0	1	2	0	1	0	1	2	3
2	0	2	4	0	2	0	2	4	6
3	0	3	6	0	3	0	3	6	9
4	0	4	8	0	4	0	4	9	0
5	0	5	10	0	5	0	5	11	3
6	0	7	0	0	6	0	7	1	6
7	0	8	2	0	7	0	8	3	9
8	0	9	4	0	8	0	9	6	0
9	0	10	6	0	9	0	10	8	3
10	0	11	8	0	10	0	11	10	6
11	1	0	10	0	11	1	1	0	9

Yds. In. long.	In. Pa. S. T.				Yds. In. long.	In. Pa. S. T.			
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
1	0	3	6	0	1	0	3	6	9
2	0	7	0	0	2	0	7	1	6
3	0	10	6	0	3	0	10	8	3

Feet long.	14½ broad.			Feet long.	14½ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	2	6	1	1	2	9
2	2	5	0	2	2	5	6
3	3	7	6	3	3	8	3
4	4	10	0	4	4	11	0
5	6	0	6	5	6	1	9
6	7	3	0	6	7	4	6
7	8	5	6	7	8	7	3
8	9	8	0	8	9	10	0
9	10	10	6	9	11	0	9
10	12	1	0	10	12	3	6
11	13	3	6	11	13	6	3
12	14	6	0	12	14	9	0
13	15	8	6	13	15	11	9
14	16	11	0	14	17	2	6
15	18	1	6	15	18	5	3
16	19	4	0	16	19	8	0
17	20	6	6	17	20	10	9
18	21	9	0	18	22	1	6
19	22	11	6	19	23	4	3
20	24	2	0	20	24	7	0
21	25	4	6	21	25	9	9
22	26	7	0	22	27	0	6
23	27	9	6	23	28	3	3
24	29	0	0	24	29	6	0

Inches long.	Ft. In. Pa. S.				Inches long.	Ft. In. Pa. S.			
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	1	2	6	1	0	1	2	0
2	0	2	5	0	2	0	2	5	6
3	0	3	7	6	3	0	3	8	3
4	0	4	10	0	4	0	4	11	0
5	0	6	0	6	5	0	6	1	0
6	0	7	3	0	6	0	7	4	6
7	0	8	5	6	7	0	8	7	3
8	0	9	8	0	8	0	9	10	0
9	0	10	10	6	9	0	11	0	9
10	1	0	1	0	10	1	0	3	6
11	1	1	3	6	11	1	1	6	3

Yds. In. long.	In. Pa. S. T.				Yds. In. long.	In. Pa. S. T.			
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	3	7	6		0	3	8	3
	0	7	3	0		0	7	4	6
	0	10	10	6		0	11	0	9

<i>Feet long</i>	15 In. broad.			<i>Feet long</i>	15 $\frac{1}{4}$ broad.				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	1	3	0	1	1	3	3		
2	2	6	0	2	2	6	6		
3	3	9	0	3	3	9	9		
4	5	0	0	4	5	1	0		
5	6	3	0	5	6	4	3		
6	7	6	0	6	7	7	6		
7	8	9	0	7	8	10	9		
8	10	0	0	8	10	2	0		
9	11	3	0	9	11	5	3		
10	12	6	0	10	12	8	6		
11	13	9	0	11	13	11	9		
12	15	0	0	12	15	3	0		
13	16	3	0	13	16	6	3		
14	17	6	0	14	17	9	6		
15	18	9	0	15	19	0	9		
16	20	0	0	16	20	4	0		
17	21	3	0	17	21	7	3		
18	22	6	0	18	22	10	6		
19	23	9	0	19	24	1	9		
20	25	0	0	20	25	5	0		
21	26	3	0	21	26	8	3		
22	27	6	0	22	27	11	6		
23	28	9	0	23	29	2	9		
24	30	0	0	24	30	6	0		
<i>Inches long.</i>	Ft. In. Pa. S.				<i>Inches long.</i>	Ft. In. Pa. S.			
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	1	3	0	1	0	1	3	3
2	0	2	6	0	2	0	2	6	6
3	0	3	9	0	3	0	3	9	9
4	0	5	0	0	4	0	5	1	0
5	0	6	3	0	5	0	6	4	3
6	0	7	6	0	6	0	7	7	6
7	0	8	9	0	7	0	8	10	9
8	0	10	0	0	8	0	10	2	0
9	0	11	3	0	9	0	11	5	3
10	1	0	6	0	10	1	0	8	6
11	1	1	9	0	11	1	1	11	9
<i>27 1/2 In. long.</i>	In. Pa. S. T.				<i>27 1/2 In. long.</i>	In. Pa. S. T.			
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	3	9	0		0	3	9	9
	0	7	6	0		0	7	7	6
	0	11	3	0		0	11	5	3

Of FLAT MEASURE. 169

15 $\frac{1}{2}$ broad.				15 $\frac{1}{2}$ broad.			
Ft. long	Ft. in. Pa.			Ft. long	Ft. in. Pa.		
	Ft.	in.	Pa.		Ft.	in.	Pa.
1	1	3	6	1	1	3	9
2	2	7	0	2	2	7	6
3	3	10	6	3	3	11	3
4	5	2	0	4	5	3	0
5	6	5	6	5	6	6	9
6	7	9	0	6	7	10	6
7	9	0	6	7	9	2	3
8	10	4	0	8	10	6	0
9	11	7	6	9	11	9	9
10	12	11	0	10	13	1	6
11	14	2	6	11	14	5	3
12	15	6	0	12	15	9	0
13	16	9	6	13	17	0	9
14	18	1	0	14	18	4	6
15	19	4	6	15	19	8	3
16	20	8	0	16	21	0	0
17	21	11	6	17	22	3	9
18	23	3	0	18	23	7	6
19	24	6	6	19	24	11	3
20	25	10	0	20	26	3	0
21	27	1	6	21	27	6	9
22	28	5	0	22	28	10	0
23	29	8	6	23	30	2	3
24	31	0	0	24	31	6	0
Inch. long.	Ft. in. Pa. S.			Inch. long.	Ft. in. Pa. S.		
	Ft.	in.	Pa. S.		Ft.	in.	Pa. S.
1	0	1	3 6	1	0	1	3 9
2	0	2	7 0	2	0	2	7 0
3	0	3	10 6	3	0	3	11 3
4	0	5	2 0	4	0	5	3 0
5	0	6	5 6	5	0	6	6 9
6	0	7	9 0	6	0	7	10 6
7	0	9	0 6	7	0	9	2 3
8	0	10	4 0	8	0	10	6 0
9	0	11	7 6	9	0	11	9 9
10	1	0	11 0	10	1	1	1 6
11	1	2	2 6	11	1	2	5 3
Qrs. In. long.	In. Pa. S. T.			Qrs. In. long.	Ft. in. S. T.		
	In.	Pa.	S. T.		Ft.	in.	S. T.
1	0	3	10 6	1	0	3	11 3
2	0	7	9 0	2	0	7	10 6
3	0	11	7 6	3	0	11	9 9

16 In. broad.				16 1/2 broad.					
Feet long	Ft. In. Pa.			Feet long	Ft. In. Pa.				
1	1	4	0	1	1	4	3		
2	2	8	0	2	2	8	6		
3	4	0	0	3	4	0	9		
4	5	4	0	4	5	5	0		
5	6	8	0	5	6	9	3		
6	8	0	0	6	8	1	6		
7	9	4	0	7	9	5	9		
8	10	8	0	8	10	10	0		
9	12	0	0	9	12	2	3		
10	13	4	0	10	13	6	6		
11	14	8	0	11	14	10	9		
12	16	0	0	12	16	3	0		
13	17	4	0	13	17	7	3		
14	18	8	0	14	18	11	6		
15	20	0	0	15	20	3	9		
16	21	4	0	16	21	8	0		
17	22	8	0	17	23	0	3		
18	24	0	0	18	24	4	6		
19	25	4	0	19	25	8	9		
20	26	8	0	20	27	1	0		
21	28	0	0	21	28	5	3		
22	29	4	0	22	29	9	6		
23	30	8	0	23	31	1	9		
24	32	0	0	24	32	6	0		
Inches long.				Inches long.					
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	1	4	0	1	0	1	4	3
2	0	2	8	0	2	0	2	8	6
3	0	4	0	0	3	0	4	0	9
4	0	5	4	0	4	0	5	5	0
5	0	6	8	0	5	0	6	9	3
6	0	8	0	0	6	0	8	1	6
7	0	9	4	0	7	0	9	5	9
8	0	10	8	0	8	0	10	10	0
9	1	0	0	0	9	1	0	2	3
10	1	1	4	0	10	1	1	6	6
11	1	2	8	0	11	1	2	10	9
Qrs. In. long.				Qrs. In. long.					
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
0	4	0	0		0	4	0	9	
0	8	0	0		0	8	1	6	
1	0	0	0		1	0	2	3	

OF FLAT MEASURE. 171

Ft. long.	16½ broad.			Ft. long.	16¼ broad.				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	1	4	6	1	1	4	9		
2	2	9	c	2	2	9	6		
3	4	1	c	3	4	2	3		
4	5	6	c	4	5	7	0		
5	6	10	c	5	6	11	9		
6	8	3	c	6	8	4	6		
7	9	7	c	7	9	9	3		
8	11	0	c	8	11	2	0		
9	12	4	6	9	12	6	9		
10	13	9	c	10	13	11	6		
11	15	1	c	11	15	4	3		
12	16	6	c	12	16	9	c		
13	17	10	c	13	18	1	9		
14	19	3	c	14	19	6	6		
15	20	7	6	15	20	11	3		
16	22	0	c	16	22	4	c		
17	23	4	c	17	23	8	9		
18	24	9	c	18	25	1	6		
19	26	1	6	19	26	6	3		
20	27	6	c	20	27	11	0		
21	28	10	6	21	29	3	9		
22	30	3	c	22	30	8	6		
23	31	7	c	23	32	1	3		
24	33	0	c	24	33	6	c		
Inches long.				Inches long.					
Ft. In. Pa. S.				Ft. In. Pa. S.					
1	0	1	4	6	1	0	1	4	9
2	0	2	9	c	2	0	2	9	6
3	0	4	1	c	2	0	4	2	3
4	0	5	6	0	4	0	5	7	0
5	0	6	10	6	5	0	6	11	9
6	0	8	3	c	6	0	8	4	6
7	0	9	7	c	7	0	9	9	3
8	0	11	0	0	8	0	11	2	0
9	1	0	4	c	9	1	0	6	9
10	1	1	9	c	10	1	1	11	6
11	1	3	1	6	11	1	3	4	3
Ors. In. long.				Ors. In. long.					
In. Pa. S. T.				In. Pa. S. T.					
0 4 1 6				0 4 2 3					
0 8 3 c				0 8 4 6					
1 4 4 c				1 0 6 9					

Feet long.	17 In. broad.			Feet long.	17 $\frac{1}{4}$ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	5	0	1	1	5	3
2	2	10	0	2	2	10	6
3	4	3	0	3	4	3	9
4	5	8	0	4	5	9	0
5	7	1	0	5	7	2	3
6	8	6	0	6	8	7	6
7	9	11	0	7	10	0	9
8	11	4	0	8	11	6	0
9	12	9	0	9	12	11	3
10	14	2	0	10	14	4	6
11	15	7	0	11	15	9	9
12	17	0	0	12	17	3	0
13	18	5	0	13	18	8	3
14	19	10	0	14	20	1	6
15	21	3	0	15	21	6	9
16	22	8	0	16	23	0	0
17	24	1	0	17	24	5	3
18	25	6	0	18	25	10	6
19	26	11	0	19	27	3	9
20	28	4	0	20	28	9	0
21	29	9	0	21	30	2	3
22	31	2	0	22	31	7	6
23	32	7	0	23	33	0	9
24	34	0	0	24	34	6	0

Inches long.	Ft. In. Pa. S.				Inches long.	Ft. In. Pa. S.			
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	1	5	0	1	0	1	5	3
2	0	2	10	0	2	0	2	10	6
3	0	4	3	0	3	0	4	3	9
4	0	5	8	0	4	0	5	9	0
5	0	7	1	0	5	0	7	2	3
6	0	8	6	0	6	0	8	7	6
7	0	9	11	0	7	0	10	0	9
8	0	11	4	0	8	0	11	6	0
9	1	0	9	0	9	1	0	11	3
10	1	2	2	0	10	1	2	4	6
11	1	3	7	0	11	1	3	9	9

Yds. In. long.	In. Pa. S. T.				Yds. In. long.	In. Pa. S. T.			
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
0	4	3	0		0	4	3	9	
0	8	6	0		0	8	7	6	
1	0	9	0		1	0	11	3	

OF FLAT MEASURE. 173

Feet long	17½ broad.			Feet long	17½ broad.		
	Ft.	In.	Pa.		ft.	in.	Pa.
1	1	5	6	1	1	5	9
2	2	11	0	2	2	11	6
3	4	4	6	3	4	5	3
4	5	10	0	4	5	11	0
5	7	3	6	5	7	4	9
6	8	9	0	6	8	10	6
7	10	2	6	7	10	4	3
8	11	8	0	8	11	10	0
9	13	1	6	9	13	3	9
10	14	7	0	10	14	9	6
11	16	0	6	11	16	3	3
12	17	6	0	12	17	9	0
13	18	11	6	13	19	2	9
14	20	5	0	14	20	8	6
15	21	10	6	15	22	2	3
16	23	4	0	16	23	8	0
17	24	9	6	17	25	1	9
18	26	3	0	18	26	7	6
19	27	8	6	19	28	1	3
20	29	2	0	20	29	7	0
21	30	7	6	21	31	0	9
22	32	1	0	22	32	6	6
23	33	6	6	23	34	0	3
24	35	0	0	24	35	6	0

Inches long.					Inches long.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	1	5	6	1	0	1	5	9
2	0	2	11	0	2	0	2	11	6
3	0	4	4	6	3	0	4	5	3
4	0	5	10	0	4	0	5	11	0
5	0	7	3	6	5	0	7	4	9
6	0	8	9	0	6	0	8	10	6
7	0	10	2	6	7	0	10	4	3
8	0	11	8	0	8	0	11	10	0
9	1	1	1	6	9	1	1	3	9
10	1	2	7	0	10	1	2	9	6
11	1	4	0	6	11	1	4	3	3

Qrs In. long.					Qrs In. long.				
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	4	4	6		0	4	5	3
	0	8	9	0		0	8	10	6
	1	1	1	6		1	1	3	9

Feet long.	18 In. broad.			Feet long.	18 $\frac{1}{2}$ broad.				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	1	6	0	1	1	6	3		
2	3	0	0	2	3	0	6		
3	4	6	0	3	4	6	9		
4	6	0	0	4	6	1	0		
5	7	6	0	5	7	7	3		
6	9	0	0	6	9	1	6		
7	10	6	0	7	10	7	9		
8	12	0	0	8	12	2	0		
9	13	6	0	9	13	8	3		
10	15	0	0	10	15	2	6		
11	16	6	0	11	16	8	9		
12	18	0	0	12	18	3	0		
13	19	6	0	13	19	9	3		
14	21	0	0	14	21	3	6		
15	22	6	0	15	22	9	9		
16	24	0	0	16	24	4	0		
17	25	6	0	17	25	10	3		
18	27	0	0	18	27	4	6		
19	28	6	0	19	28	10	9		
20	30	0	0	20	30	5	0		
21	31	6	0	21	31	11	3		
22	33	0	0	22	33	5	6		
23	34	6	0	23	34	11	9		
24	36	0	0	24	36	6	0		
Inches long.					Inches long.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	1	6	0	1	0	1	6	3
2	0	3	0	0	2	0	3	0	6
3	0	4	6	0	3	0	4	6	9
4	0	6	0	0	4	0	6	1	0
5	0	7	6	0	5	0	7	7	3
6	0	9	0	0	6	0	9	1	6
7	0	10	6	0	7	0	10	7	9
8	1	0	0	0	8	1	0	2	0
9	1	1	6	0	9	1	1	8	3
10	1	3	0	0	10	1	3	2	6
11	1	4	6	0	11	1	4	8	9
Yds. In. long.					Yds. In. long.				
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	4	6	0		0	4	6	9
	0	9	0	0		0	9	1	6
	1	1	6	0		1	1	8	3

OF FLAT MEASURE.

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Feet long.	18 $\frac{1}{2}$ broad.			Feet long.	18 $\frac{1}{2}$ broad.				
	Ft.	In.	Pa.		ft.	ln.	Pa.		
1	1	6	6	1	1	6	9		
2	3	1	0	2	3	1	6		
3	4	7	6	3	4	8	3		
4	6	2	0	4	6	3	0		
5	7	8	6	5	7	9	9		
6	9	3	0	6	9	4	6		
7	10	9	6	7	10	11	3		
8	12	4	0	8	12	6	0		
9	13	10	6	9	14	0	9		
10	15	5	0	10	15	7	6		
11	16	11	6	11	17	2	3		
12	18	6	0	12	18	9	0		
13	20	0	6	13	20	3	9		
14	21	7	0	14	21	10	6		
15	23	1	6	15	23	5	3		
16	24	8	0	16	25	0	0		
17	26	2	6	17	26	6	9		
18	27	9	0	18	28	1	6		
19	29	3	6	19	29	8	3		
20	30	10	0	20	31	3	0		
21	32	4	6	21	32	9	9		
22	33	11	0	22	34	4	6		
23	35	5	6	23	35	11	3		
24	37	0	0	24	37	6	0		
Inches long.					Inches long.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	1	6	6	1	0	1	6	9
2	0	3	1	0	2	0	3	1	6
3	0	4	7	6	3	0	4	8	3
4	0	6	2	0	4	0	6	3	0
5	0	7	8	6	5	0	7	9	9
6	0	9	3	0	6	0	9	4	6
7	0	10	9	6	7	0	10	11	3
8	1	0	4	0	8	1	0	6	0
9	1	1	10	6	9	1	2	0	9
10	1	3	5	0	10	1	3	7	6
11	1	4	11	6	11	1	5	2	3
Yds. In. long.					Yds. In. long.				
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	4	7	6		0	4	8	3
	0	9	3	0		0	9	4	6
	1	1	10	6		1	2	0	9

Feet long.	19 In. broad.			Feet long.	19 $\frac{1}{2}$ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	7	0	1	1	7	3
2	3	2	0	2	3	2	6
3	4	9	0	3	4	9	9
4	6	4	0	4	6	5	0
5	7	11	0	5	8	0	3
6	9	6	0	6	9	7	6
7	11	1	0	7	11	2	9
8	12	8	0	8	12	10	0
9	14	3	0	9	14	5	3
10	15	10	0	10	16	0	6
11	17	5	0	11	17	7	9
12	19	0	0	12	19	3	0
13	20	7	0	13	20	10	3
14	22	2	0	14	22	5	6
15	23	9	0	15	24	0	9
16	25	4	0	16	25	8	0
17	26	11	0	17	27	3	3
18	28	6	0	18	28	10	6
19	30	1	0	19	30	5	9
20	31	8	0	20	32	1	0
21	33	3	0	21	33	8	3
22	34	10	0	22	35	3	6
23	36	5	0	23	36	10	9
24	38	0	0	24	38	6	0

Inches long.	Ft. In. P. S.				Inches long.	Ft. In. Pa. S.			
	Ft.	In.	P.	S.		Ft.	In.	Pa.	S.
1	0	1	7	0	1	0	1	7	3
2	0	3	2	0	2	0	3	2	6
3	0	4	9	0	3	0	4	9	9
4	0	6	4	0	4	0	6	5	0
5	0	7	11	0	5	0	8	0	3
6	0	9	6	0	6	0	9	7	6
7	0	11	1	0	7	0	11	2	9
8	1	0	8	0	8	1	0	10	0
9	1	2	3	0	9	1	2	5	3
10	1	3	10	0	10	1	4	0	6
11	1	5	5	0	11	1	5	7	9

Feet long.	In. Pa. S. T.				Feet long.	In. Pa. S. T.			
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
0	4	9	0	0	0	4	9	9	9
0	9	6	0	0	0	9	7	6	6
1	2	3	0	0	1	2	5	3	3

Ft. long.	19 $\frac{1}{2}$ broad.			Ft. long.	19 $\frac{1}{2}$ broad.				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	1	7	6	1	1	7	9		
2	3	3	0	2	3	3	6		
3	4	10	6	3	4	11	3		
4	6	6	0	4	6	7	0		
5	8	1	6	5	8	2	9		
6	9	9	0	6	9	10	6		
7	11	4	6	7	11	6	3		
8	13	0	0	8	13	2	0		
9	14	7	6	9	14	9	9		
10	16	3	0	10	16	5	6		
11	17	10	6	11	18	1	3		
12	19	6	0	12	19	9	0		
13	21	1	6	13	21	4	9		
14	22	9	0	14	23	0	6		
15	24	4	6	15	24	8	3		
16	26	0	0	16	26	4	0		
17	27	7	6	17	27	11	9		
18	29	3	0	18	29	7	6		
19	30	10	6	19	31	3	3		
20	32	6	0	20	32	11	0		
21	34	1	6	21	34	6	9		
22	35	9	0	22	35	2	0		
23	37	4	6	23	37	10	3		
24	39	0	0	24	39	6	0		
Inch. long.					Inch. long.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	1	7	6	1	0	1	7	9
2	0	3	3	0	2	0	3	3	0
3	0	4	10	6	3	0	4	11	3
4	0	6	6	0	4	0	6	7	0
5	0	8	1	6	5	0	8	2	9
6	0	9	9	0	6	0	9	10	6
7	0	11	4	6	7	0	11	6	3
8	1	1	0	0	8	1	1	2	0
9	1	2	7	6	9	1	2	9	9
10	1	4	3	0	10	1	4	5	6
11	1	5	10	6	11	1	6	1	3
Oz. In. long.					Oz. In. long.				
	In.	Pa.	S.	T.		Ft.	In.	S.	T.
	0	4	10	6		0	4	11	3
	0	9	9	0		0	9	10	6
	1	2	7	6		1	2	9	9

Feet long.	20 In. broad.			Feet long.	20 $\frac{1}{2}$ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	8	0	1	1	8	3
2	3	4	0	2	3	4	6
3	5	0	0	3	5	0	9
4	6	8	0	4	6	9	0
5	8	4	0	5	8	5	3
6	10	0	0	6	10	1	6
7	11	8	0	7	11	9	9
8	13	4	0	8	13	6	0
9	15	0	0	9	15	2	3
10	16	8	0	10	16	10	6
11	18	4	0	11	18	6	9
12	20	0	0	12	20	3	0
13	21	8	0	13	21	11	3
14	23	4	0	14	23	6	6
15	25	0	0	15	25	3	9
16	26	8	0	16	27	0	0
17	28	4	0	17	28	8	3
18	30	0	0	18	30	4	6
19	31	8	0	19	32	0	9
20	33	4	0	20	33	9	0
21	35	0	0	21	35	5	3
22	36	8	0	22	37	1	6
23	38	4	0	23	38	9	9
24	40	0	0	24	40	6	0

Inches long.					Inches long.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	1	8	0	1	0	1	8	3
2	0	3	4	0	2	0	3	4	6
3	0	5	0	0	3	0	5	0	9
4	0	6	8	0	4	0	6	9	0
5	0	8	4	0	5	0	8	5	3
6	0	10	0	0	6	0	10	1	6
7	0	11	8	0	7	0	11	9	9
8	1	1	4	0	8	1	1	6	0
9	1	3	0	0	9	1	3	2	3
10	1	4	8	0	10	1	4	10	6
11	1	6	4	0	11	1	6	6	9

Yds. In. long.					Yds. In. long.				
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
$\frac{1}{4}$	0	5	0	0	$\frac{1}{4}$	0	5	0	9
$\frac{1}{2}$	0	10	0	0	$\frac{1}{2}$	0	10	1	6
$\frac{3}{4}$	1	3	0	0	$\frac{3}{4}$	1	2	2	3

Of FLAT MEASURE. 179

Ft. long.	20 $\frac{1}{2}$ broad.			Ft. long.	20 $\frac{1}{4}$ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	8	6	1	8	9	6
2	3	5	c	2	3	5	6
3	5	1	c	3	5	2	3
4	6	10	c	4	6	11	0
5	8	6	c	5	8	7	9
6	10	3	c	6	10	4	c
7	11	11	c	7	12	1	3
8	13	8	c	8	13	10	c
9	15	4	c	9	15	6	9
10	17	1	c	10	17	3	6
11	18	9	c	11	19	0	3
12	20	0	c	12	20	9	c
13	22	2	c	13	22	5	9
14	23	11	c	14	24	2	6
15	25	7	c	15	25	11	3
16	27	4	c	16	27	8	0
17	29	0	c	17	29	4	9
18	30	9	c	18	31	1	6
19	32	5	c	19	32	10	3
20	34	2	c	20	34	7	0
21	35	10	c	21	36	3	9
22	37	7	c	22	38	0	6
23	39	3	c	23	39	9	3
24	41	0	c	24	41	6	c
Inches long.	Ft. In. Pa. S.			Inches long.	Ft. In. Pa. S.		
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
1	0	1	8 6	1	0	1	8 9
2	0	3	5 0	2	0	3	5 6
3	0	5	1 c	2	0	5	2 3
4	0	6	10 0	4	0	6	11 0
5	0	8	6 c	5	0	8	7 9
6	0	10	3 c	6	0	10	4 6
7	0	11	11 c	7	1	0	1 3
8	1	1	8 0	8	1	1	10 0
9	1	3	4 c	9	1	3	6 9
10	1	5	1 c	10	1	5	3 6
11	1	6	9 6	11	1	7	0 3
Qrs. In. long.	In. Pa. S. T.			Qrs. In. long.	In. Pa. S. T.		
	In.	Pa.	S. T.		In.	Pa.	S. T.
$\frac{1}{2}$	0	5	1 6	$\frac{1}{2}$	0	5	2 3
$\frac{1}{4}$	0	10	3 c	$\frac{1}{4}$	0	10	4 6
$\frac{3}{4}$	1	3	4 c	$\frac{3}{4}$	1	3	6 9

Feet long.	21 In. broad.			Feet long.	21 $\frac{1}{4}$ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	9	0	1	1	9	3
2	3	6	0	2	3	6	6
3	5	3	0	3	5	3	9
4	7	0	0	4	7	1	0
5	8	9	0	5	8	10	3
6	10	6	0	6	10	7	6
7	12	3	0	7	12	4	9
8	14	0	0	8	14	2	0
9	15	9	0	9	15	11	3
10	17	6	0	10	17	8	6
11	19	3	0	11	19	5	9
12	21	0	0	12	21	3	0
13	22	9	0	13	23	0	3
14	24	6	0	14	24	9	6
15	26	3	0	15	26	6	9
16	28	0	0	16	28	4	0
17	29	9	0	17	30	1	3
18	31	6	0	18	31	10	6
19	33	3	0	19	33	7	9
20	35	0	0	20	35	5	0
21	36	9	0	21	37	2	3
22	38	6	0	22	38	11	6
23	40	3	0	23	40	8	9
24	42	0	0	24	42	6	0

Inches long.	Ft. In. Pa. S.			Inches long.	Ft. In. Pa. S.		
	Ft.	In.	Pa. S.		Ft.	In.	Pa. S.
1	0	1	9 0	1	0	1	9 3
2	0	3	6 0	2	0	3	6 6
3	0	5	3 0	3	0	5	3 9
4	0	7	0 0	4	0	7	1 0
5	0	8	9 0	5	0	8	10 3
6	0	10	6 0	6	0	10	7 6
7	1	0	3 0	7	1	0	4 9
8	1	2	0 0	8	1	2	2 0
9	1	3	9 0	9	1	3	11 3
10	1	5	6 0	10	1	5	8 6
11	1	7	3 0	11	1	7	5 9

Crs. In. long.	In. Pa. S. T.			Crs. In. long.	In. Pa. S. T.		
	In.	Pa.	S. T.		In.	Pa.	S. T.
1	0	5	3 0	1	0	5	3 9
2	0	10	6 0	2	0	10	7 6
3	1	3	9 0	3	1	3	11 2

OF FLAT MEASURE. 181

21 $\frac{1}{2}$ broad.		21 $\frac{1}{2}$ broad.	
<i>Feet long</i>	Ft. In. Pa.	<i>Feet long</i>	Ft. In. Pa.
1	1 9 6	1	1 9 9
2	3 7 0	2	3 7 6
3	5 4 6	3	5 5 3
4	7 2 0	4	7 3 0
5	8 11 6	5	9 0 9
6	10 9 0	6	10 10 6
7	12 6 6	7	12 8 3
8	14 4 0	8	14 6 0
9	16 1 6	9	16 3 9
10	17 11 0	10	18 1 6
11	19 8 6	11	19 11 3
12	21 6 0	12	21 9 0
13	23 3 6	13	23 6 9
14	25 1 0	14	25 4 6
15	26 10 6	15	27 2 3
16	28 8 0	16	29 0 0
17	30 5 6	17	30 9 9
18	32 3 0	18	32 7 6
19	34 0 6	19	34 5 3
20	35 10 0	20	36 3 0
21	37 7 6	21	38 0 9
22	39 5 0	22	39 10 6
23	41 2 6	23	41 8 3
24	43 0 0	24	43 6 0
<i>Inches long.</i>	Ft. In. Pa. S.	<i>Inches long.</i>	Ft. In. Pa. S.
1	0 1 9 6	1	0 1 9 9
2	0 3 7 0	2	0 3 7 6
3	0 5 4 6	3	0 5 5 3
4	0 7 2 0	4	0 7 3 0
5	0 8 11 6	5	0 9 0 9
6	0 10 9 0	6	0 10 10 6
7	1 0 6 6	7	1 0 8 3
8	1 2 4 0	8	1 2 6 0
9	1 4 1 6	9	1 4 3 9
10	1 5 11 0	10	1 6 1 6
11	1 7 8 6	11	1 7 11 3
<i>Ors In. long.</i>	In. Fa. S. T.	<i>Ors In. long.</i>	In. Pa. S. T.
0	5 4 6	0	5 5 3
0	10 9 0	0	10 10 6
1	4 1 6	1	4 3 9

Feet long	22 In. broad.			Feet long	22 $\frac{1}{4}$ broad.				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	1	10	0	1	1	10	3		
2	3	8	0	2	3	8	6		
3	5	6	0	3	5	6	9		
4	7	4	0	4	7	5	0		
5	9	2	0	5	9	3	3		
6	11	0	0	6	11	1	6		
7	12	10	0	7	12	11	9		
8	14	8	0	8	14	10	0		
9	16	6	0	9	16	8	3		
10	18	4	0	10	18	6	6		
11	20	2	0	11	20	4	9		
12	22	0	0	12	22	3	0		
13	23	10	0	13	24	1	3		
14	25	8	0	14	25	11	6		
15	27	6	0	15	27	9	9		
16	29	4	0	16	29	8	0		
17	31	2	0	17	31	6	3		
18	33	0	0	18	33	4	6		
19	34	10	0	19	35	2	9		
20	36	8	0	20	37	1	0		
21	38	6	0	21	38	11	3		
22	40	4	0	22	40	9	6		
23	42	2	0	23	42	7	9		
24	44	0	0	24	44	6	0		
Inches long.					Inches long.				
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	1	10	0	1	0	1	10	3
2	0	3	8	0	2	0	3	8	6
3	0	5	6	0	3	0	5	6	9
4	0	7	4	0	4	0	7	5	0
5	0	9	2	0	5	0	9	3	3
6	0	11	0	0	6	0	11	1	6
7	1	0	10	0	7	1	0	11	9
8	1	2	8	0	8	1	2	10	0
9	1	4	6	0	9	1	4	8	3
10	1	6	4	0	10	1	6	6	6
11	1	8	2	0	11	1	8	4	9
Yds. In. long.					Yds. In. long.				
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	5	6	0		0	5	6	0
	0	11	0	0		0	11	1	6
	1	4	6	0		1	4	8	3

Feet long.	22½ broad.			Feet long.	22½ broad.		
	Ft.	In.	Pa.		Ft.	In.	Pa.
1	1	10	6	1	1	10	9
2	3	9	0	2	3	9	6
3	5	7	6	3	5	8	3
4	7	6	0	4	7	7	0
5	9	4	6	5	9	5	9
6	11	3	0	6	11	4	6
7	13	1	6	7	13	3	3
8	15	0	0	8	15	2	0
9	16	10	6	9	17	0	9
10	18	9	0	10	18	11	6
11	20	7	6	11	20	10	3
12	22	6	0	12	22	9	0
13	24	4	6	13	24	7	9
14	26	3	0	14	26	6	6
15	28	1	6	15	28	5	3
16	30	0	0	16	30	4	0
17	31	10	6	17	32	2	9
18	33	9	0	18	34	1	6
19	35	7	6	19	36	0	3
20	37	6	0	20	37	11	0
21	39	4	6	21	39	9	9
22	41	3	0	22	41	8	6
23	43	1	6	23	43	7	3
24	45	0	0	24	45	6	0

Inches long.	Ft. In. Pa. S.				Inches long.	Ft. In. Pa. S.			
	Ft.	In.	Pa.	S.		Ft.	In.	Pa.	S.
1	0	1	10	6	1	0	1	10	9
2	0	3	9	0	2	0	3	9	6
3	0	5	7	6	3	0	5	8	3
4	0	7	6	0	4	0	7	7	0
5	0	9	4	6	5	0	9	5	9
6	0	11	3	0	6	0	11	4	6
7	1	1	1	6	7	1	1	3	3
8	1	3	0	0	8	1	3	2	0
9	1	4	10	6	9	1	5	0	9
10	1	6	9	0	10	1	6	11	6
11	1	8	7	6	11	1	8	10	3

Yds. In. long.	In. Pa. S. T.				Yds. In. long.	In. Pa. S. T.			
	In.	Pa.	S.	T.		In.	Pa.	S.	T.
	0	5	7	6		0	5	8	3
	0	11	3	0		0	11	4	6
	1	4	10	6		1	5	0	9

23 In. broad.				23 $\frac{1}{2}$ broad.				
Feet long	Ft.		Pa.	Feet long	Ft.		Pa.	
		In.				In.		
1	1	11	0	1	1	11	3	
2	3	10	0	2	3	10	6	
3	5	9	0	3	5	9	9	
4	7	8	0	4	7	9	0	
5	9	7	0	5	9	8	3	
6	11	6	0	6	11	7	6	
7	13	5	0	7	13	6	9	
8	15	4	0	8	15	6	0	
9	17	3	0	9	17	5	3	
10	19	2	0	10	19	4	6	
11	21	1	0	11	21	3	9	
12	23	0	0	12	23	3	0	
13	24	11	0	13	25	2	3	
14	26	10	0	14	27	1	6	
15	28	9	0	15	29	0	9	
16	30	8	0	16	31	0	0	
17	32	7	0	17	32	11	3	
18	34	6	0	18	34	10	6	
19	36	5	0	19	36	9	9	
20	38	4	0	20	38	9	0	
21	40	3	0	21	40	8	3	
22	42	2	0	22	42	7	6	
23	44	1	0	23	44	6	9	
24	46	0	0	24	46	6	0	
Inches long.				Inches long.				
Ft. In. P. S.				Ft. In. Pa. S.				
1	0	1	11	0	0	1	11	3
2	0	3	10	0	0	3	10	6
3	0	5	9	0	0	5	9	9
4	0	7	8	0	0	7	9	0
5	0	9	7	0	0	9	8	3
6	0	11	6	0	0	11	7	6
7	1	1	5	0	1	1	6	9
8	1	3	4	0	1	3	6	0
9	1	5	3	0	1	5	5	3
10	1	7	2	0	1	7	4	6
11	1	9	1	0	1	9	3	9
Ft. In. long.				Ft. In. long.				
In. Pa. S. T.				In. Pa. S. T.				
0 5 9 0				0 5 9 9				
0 11 6 0				0 11 7 6				
1 5 3 0				1 5 5 3				

OF FLAT MEASURE. 185

Ft. long.	23 $\frac{1}{2}$ broad.			Ft. long.	23 $\frac{1}{2}$ broad.				
	Ft.	In.	Pa.		Ft.	In.	Pa.		
1	1	11	6	1	1	11	9		
2	3	11	0	2	3	11	6		
3	5	10	6	3	5	11	3		
4	7	10	0	4	7	11	0		
5	9	9	6	5	9	10	9		
6	11	9	0	6	11	10	6		
7	13	8	6	7	13	10	3		
8	15	8	0	8	15	10	0		
9	17	7	6	9	17	9	9		
10	19	7	0	10	19	9	6		
11	21	6	6	11	21	9	3		
12	23	6	0	12	23	9	0		
13	25	5	6	13	25	8	9		
14	27	5	0	14	27	8	6		
15	29	4	6	15	29	8	3		
16	31	4	0	16	31	8	0		
17	33	3	6	17	33	7	9		
18	35	3	0	18	35	7	6		
19	37	2	6	19	37	7	3		
20	39	2	0	20	39	7	0		
21	41	1	6	21	41	6	9		
22	43	1	0	22	43	6	6		
23	45	0	6	23	45	6	3		
24	47	0	0	24	47	6	0		
Inch. long.				Inch. long.					
Ft. In. Pa. S.				Ft. In. Pa. S.					
1	0	1	11	6	1	0	1	11	9
2	0	3	11	0	2	0	3	11	6
3	0	5	10	6	3	0	5	11	3
4	0	7	10	0	4	0	7	11	0
5	0	9	9	6	5	0	9	10	9
6	0	11	9	0	6	0	11	10	6
7	1	1	8	6	7	1	1	10	3
8	1	3	8	0	8	1	3	10	0
9	1	5	7	6	9	1	5	9	9
10	1	7	7	0	10	1	7	9	6
11	1	9	6	6	11	1	9	9	3
Qrs. In. long.				Qrs. In. long.					
In. Pa. S. T.				Ft. In. S. T.					
0 5 10 6				0 5 11 3					
0 11 9 0				0 11 10 6					
1 5 7 6				1 5 9 9					

Feet long.	24 In. broad.		
	Ft.	In.	Pa.
1	2	0	0
2	4	0	0
3	6	0	0
4	8	0	0
5	10	0	0
6	12	0	0
7	14	0	0
8	16	0	0
9	18	0	0
10	20	0	0
11	22	0	0
12	24	0	0
13	26	0	0
14	28	0	0
15	30	0	0
16	32	0	0
17	34	0	0
18	36	0	0
19	38	0	0
20	40	0	0
21	42	0	0
22	44	0	0
23	46	0	0
24	48	0	0
Inches long.	Ft. In. P. S.		
	Ft.	In.	P. S.
1	0	2	0 0
2	0	4	0 0
3	0	6	0 0
4	0	8	0 0
5	0	10	0 0
6	1	0	0 0
7	1	2	0 0
8	1	4	0 0
9	1	6	0 0
10	1	8	0 0
11	1	10	0 0
Yds. In. long.	In. Pa. S. T.		
	In.	Pa.	S. T.
0	6	0	0
1	0	0	0
1	6	0	0

OF THE
PRICES and WEIGHT
OF
NAILS.

AS I know of no materials relating to building, in which so great *Abuses* and *Impositions* constantly occur, as in the Article of *Nails*, I shall be very particular in my Directions concerning them in Hopes of preventing such Practices for the future.

Nails are of many *Sorts*, and of several of *these Sorts* there are great Variety.

N. B. *The Wholesale-Dealers in Nails have found it necessary to distinguish them into GENERAL and SPECIAL; But first, of what they understand by General Nails.*

Under the *General Sorts* of *Nails*, they comprehend, 1. *Brads*, 2. *Hobbs*, and 3. *Nails*.

1. BRADS; viz. *Bill-Brads*, *Plain-Brads*, and *Gunner-Brads*.

2. HOBBS; viz. *Clasp-Hobbs*, *Dye-Hobbs*, *Rose-Hobbs*, *Skidder-Hobbs*, and *Thick Hobbs*.

3. NAILS; viz. *Deck-Nails*, *Flat-Head-Nails*, *Flat-Point-Nails*, *Drawe-Nails*, *Lead-Nails*, *Rose-Nails*, *Scupper-Nails*, *Sharp-Nails*, *Middle-Nails*, *Square-Nails*, *Prigg-Nails*, *Spike-Nails*, and *Weight-Nails*.

N. B. *The above which are known by the Names of General Nails, are sold by the Thousand, and including them all, the Price is from 8d. to 12s. per Thousand, and the Weight from 2 oz. $\frac{1}{2}$ to 40lb. per Thousand.*

Note, *A Thousand of Nails is 1200, there being 120 to the Hundred.*

If you would understand how to buy *Nails* of any of the above *Sorts* (for there are of several *Sizes* and *Prices* of each *Sort*) you must observe the following *TABLE*.

The Use of the following TABLE.

Having the Price, to find the Weight.

EXAMPLE I.

If a Thousand of Rose-Nails cost 2s. 3d. how much ought they to weigh?

Look in the Table for 2s. 3d. the Price, and against it is 5 lb. 4 oz. and so much a Thousand of Rose-Nails (which cost 2s. 3d.) ought to weigh.

EXAMPLE II.

If a Thousand of Rose-Nails cost 12s. how much ought they to weigh?

Look in the Table for 12s. the Price, and against it is 40 lb. and that is the Weight of a Thousand of Rose-Nails, which cost 12s.

Having the Weight to find the Price.

EXAMPLE I.

What is the Price or Value of a Thousand of Sharp-Nails that weigh 2 lb. 8 oz?

Look in the Table for 2 lb. 8 oz. the Weight, and against it stands 1s. 4d. $\frac{1}{2}$, and that is the Price of a Thousand of Sharp-Nails, which weigh 2 lb. 8 oz.

EXAMPLE II.

What ought I to pay for a Thousand of Sharp-Nails that weigh 36 lb?

Look in the Table for 36 lb. the Weight, and against it stands 11s. and that is what I ought to pay for them.

And so you may find either the Weight or Value of any other of the General Sorts of Nails; and the same Method is to be observed for finding the Weight or Value of any of the Special Sorts of Nails.

The TABLE of the Prices and Weight of the GENERAL Sorts of Nails, viz. Brads, Hobbs, Nails.

1 BRADS; viz. Bill-Brads, Plain-Brads, and Gunner-Brads.

2. HOBBS; viz. Clasp-Hobbs, Dye-Hobbs, Rose-Hobbs, Skidder-Hobbs, and Thick-Hobbs.

3. NAILS viz. Deck-Nails, Flat-head-Nails, Flat-point-Nails, Draw-Nails, Lead-Nails, Rose-Nails, Scupper-Nails, Sharp-Nails, Middle-Nails, Square-Nails, Prig-Nails, Spike-Nails, and Weight-Nails.

Price per Thous.		Should weigh per Thous.		Price per Thous.		Should weigh per Thous.	
s.	d.	lb.	oz.	s.	d.	lb.	oz.
0	7 $\frac{3}{4}$	0	2 $\frac{1}{4}$	2	8	6	8
0	8	0	5	2	8 $\frac{1}{2}$	6	12
0	8 $\frac{1}{4}$	0	6	2	9	7	0
0	9	0	8	2	10 $\frac{1}{2}$	7	8
0	9 $\frac{1}{4}$	0	9	3	0	8	0
0	9 $\frac{1}{2}$	0	10	3	3	9	0
0	10 $\frac{1}{2}$	0	14	3	7	10	0
0	10 $\frac{3}{4}$	0	15	3	10	11	0
0	11	1	0	4	1	12	0
1	0 $\frac{1}{2}$	1	6	4	6	13	0
1	1	1	8	4	9	14	0
1	1 $\frac{1}{2}$	1	12	5	0	15	0
1	2	1	14	5	3	16	0
1	2 $\frac{1}{2}$	2	0	5	6	17	0
1	4 $\frac{1}{2}$	2	8	5	10	18	0
1	6	2	12	6	2	19	0
1	6 $\frac{1}{2}$	2	14	6	5	20	0
1	7	3	0	6	8	21	0
1	8 $\frac{1}{2}$	3	8	6	10	22	0
1	9 $\frac{1}{2}$	3	12	7	3	23	0
1	10	4	0	7	6	24	0
1	11	4	4	8	2	26	0
2	0	4	8	8	10	28	0
2	1	4	12	9	2	30	0
2	2 $\frac{1}{2}$	5	0	9	6	32	0
2	3	5	4	11	0	36	0
2	4	5	8	12	0	40	0
2	6	6	0				

NAILS.

Flat-pointed, Strong, or Drawed

The Name.		Price per Ct. Wt.	The Name.		Price per Ct. Wt.
s.	d.	l. s. d.	s.	d.	l. s. d.
2	0	1 11 0	4	0	1 9 0
2	6	1 10 0	5	0	1 9 0
3	4	1 9 0	6	0	1 9 0

WEIGHT NAILS

Are 28s. per Hundred Weight.

Here ends those Nails which are known by GENERAL Sorts of Nails.

The TABLE of the Price, and Weight of the SPECIAL Sorts of Nails.

Batten-Brads.

Price per Tbovf.		Should weigh per Tbovf.	Price per Tbovf.		Should weigh per Tbovf.
s.	d.	lb. oz.	s.	d.	lb. oz.
0	8½	0 8	1	9	2 12
0	11	0 14	1	10	2 14
0	11½	1 0	1	11	3 0
1	3	1 12	2	4	4 0
1	3½	1 14	2	10	5 0
1	4	2 0			

Clout-NAILS.

Price per Tbovf.		Should weigh per Tbovf.
s.	d.	lb. oz.
2	1	4 8
2	10	7 0
3	2	8 0

Dogg-NAILS.

Price per Tbovf.		Should weigh per Tbovf.
s.	d.	lb. oz.
3	9	9 0
4	9	12 0
6	0	16 0

Clout BRADS.

Price per Tbovf.		Should weigh per Tbovf.
s.	d.	lb. oz.
3	6	9 0

N. B. There are larger *Dogg Nails*, viz.

From 20lb. to 120lb. per *Thousand*, and are sold at 4d. per *Pound*.

Jobent-Nails.

Price per <i>Tbouf.</i>		Should weigh per <i>Tbouf.</i>	
<i>s.</i>	<i>d.</i>	<i>lb.</i>	<i>oz.</i>
0	10 $\frac{1}{2}$	0	14
0	11 $\frac{1}{4}$	1	0
1	2 $\frac{1}{2}$	1	14
1	3	2	0
1	7	3	0

Round-Head-Nails.

Price per <i>Tbouf.</i>		Should weigh per <i>Tbouf.</i>	
<i>s.</i>	<i>d.</i>	<i>lb.</i>	<i>oz.</i>
0	11 $\frac{1}{2}$	0	13
1	0 $\frac{3}{4}$	1	0
1	3	1	10
1	4 $\frac{1}{2}$	2	0
1	11	3	4
2	9	5	0
3	3	7	0
4	4	10	0
5	6	13	0

Tenter-Hooks.

Price per <i>Tbouf.</i>		Should weigh per <i>Tbouf.</i>	
<i>s.</i>	<i>d.</i>	<i>lb.</i>	<i>oz.</i>
1	3	1	0
1	6	1	8
2	2	3	8
3	0	5	8
4	6	10	0
7	0	19	0
16	0	40	0

Glazier's Sprigs

Price per <i>Tbouf.</i>		Should weigh per <i>Tbouf.</i>	
<i>s.</i>	<i>d.</i>	<i>lb.</i>	<i>oz.</i>
0	7 $\frac{1}{2}$	0	3
0	8	0	14
0	8 $\frac{1}{4}$	1	0

Pound-NAILS.

The <i>Name.</i>		Price per <i>Ct. Wt.</i>		The <i>Name.</i>		Price per <i>Ct. Wt.</i>	
<i>lb. oz.</i>		<i>l.</i>	<i>s.</i> <i>d.</i>	<i>lb. oz.</i>		<i>l.</i>	<i>s.</i> <i>d.</i>
14 0		1	15 0	44 0		1	13 0
20 0		1	15 0	54 0		1	12 0
34 0		1	15 0				

Cart-NAILS.

Are from 5 to 8 Inches long, and are sold at 30s. per Hundred Weight.

Riobing-NAILS.

Are from 5 to 10 Inches long, and are sold at 27s. *per* Hundred Weight.

Timber-NAILS.

Are from 6 to 16 Inches long, and are sold at 30s. *per* Hundred Weight.

Joiners-RIVETS.

Joiners-Rivets are sold by the *Pound Weight*, viz.

Those of an Inch at $4d\frac{1}{2}$, those of Inch and half at $4d\frac{1}{2}$, those of 2 Inch at $4d\frac{1}{4}$, those of 3 Inches at 4d. and those of 4 Inches at 4d. *per Pound*.

Wood-SCREWS.

Of *Wood-Screws* there are 31 *Sizes*, which are sold from 1s. 6d. to 36s. *per Gross*, viz.

At 1s. 6. at 1s. 8d. at 2s. at 2s. 3d. at 2s. 6d. at 2s. 8d. at 2s. 10d. at 3s. at 3s. 2d. at 3s. 6d. at 3s. 9d. at 4s. at 4s. 3d. at 4s. 6d. at 5s. at 5s. 6d. at 5s. 9d. at 6s. at 7s. at 9s. at 10s. at 12s. at 14s. at 15s. at 18s. at 20s. at 22s. at 24s. at 28s. at 30s. and at 36s. *per Gross*.



T H E
P R I C E S
O F
JOINERS TOOLS, &c.

Augers.

THERE are 12 Sizes of *Augers*, which are sold from 1s. to 4s. a piece, viz.

Those which are $\frac{1}{2}$ Inch at 1s. $\frac{5}{8}$ Inch at 1s. 2d. $\frac{3}{4}$ Inch at 1s. 3d. $\frac{7}{8}$ Inch at 1s. 5d. Inch at 1s. 6d. Inch $\frac{1}{4}$ at 1s. 8d. Inch $\frac{1}{4}$ at 2s. Inch $\frac{3}{8}$ at 2s. 6d. Inch $\frac{1}{2}$ at 2s. 8d. Inch $\frac{5}{8}$ at 3s. Inch $\frac{3}{4}$ at 3s. 6d. and 2 Inches at 4s. a piece.

Hammers.

There are several Sorts of *Hammers*, but I shall only take Notice of those known by the Names of *Claw-Hammers*, *Welded Cheek-Hammers*, and *Lathing-Hammers*.

There are seven Sorts of *Claw-Hammers*, which are sold from 2s. 8d. to 8s. per Dozen, viz.

At 2s. 8d. at 3s. 6d. at 4s. at 4s. 6d. at 5s. 6d. at 7s. and at 8s. per Dozen.

There are four Sorts of *Welded Cheek-Hammers*, which are sold from 11s. to 16s. 6d. per Dozen, viz.

At 11s. at 12s. at 14s. and at 16s. 6d. per Dozen.

There are four Sorts of *Lathing-Hammers*, which are sold from 10s. to 15s. per Dozen, viz.

At 10s. at 12s. at 14s. and at 15s. per Dozen.

Axes, Adzes, and Hatchets.

There are also three Sorts of *Axes*, which I shall take Notice of, viz. *Felling-Axes*, *House-Axes*, and *Lopping-Axes*.

There are four Sorts of *Felling-Axes*, which are sold from 1s. 5d. to 2s. a piece, viz.

No. 1. at 1s. 5d. No. 2. at 1s. 6d. No. 3. at 1s. 10d. and No. 4. at 2s. a piece.

There are also four Sorts of *House-Axes*, which are sold from 2s. 6d. to 3s. 6d. a piece, viz.

At 2s. 6d. at 3s. at 3s. 3d. and at 3s. 6d. a piece.

Likewise there are four Sorts of *Lopping-Axes*, which are sold from 17s. to 24s. per Dozen, viz.

At 17s. at 18s. at 22s. and at 24s. per Dozen.

There are two Sizes of *Adzes*, one at 20d. and the other at 2s. a piece.

There are two Sizes of *Joiners-Hatchets*; the one is sold at 18s. and the other at 20s. per Dozen.

Saws.

There are several Sorts of *Saws*, both of *Steel* and *Iron*; viz. *Compass Steel-Saws*, *Grafting Saws*, *Hand and Panel-Saws*, *Tenant-Saws*, *Two-Hand-Peg-Tooth-Saws*, *Whip Steel Saws*, *Rib Steel-Saws*.

Compass-Steel-Saws are sold by the Dozen, viz.

Those of 12 Inches at 8s. and those of 15 Inches at 10s. per Dozen.

Grafting-Saws are also sold by the Dozen, viz.

Those of 10 Inches at 9s. 12 Inches at 12s. 14 Inches at 14s. 16 Inches at 16s. and 18 Inches at 18s. per Dozen.

Hand and Panel Saws are likewise sold by the Dozen, viz.

Those of 20 Inches are at 22s. 22 Inches at 25s. 24 Inches at 28s. and 26 Inches at 30s. per Dozen.

Hand and Panel Saws (Extraordinary) *Hardened Plates*, viz.

Those of 22 Inches are sold at 4s. 6d. 24 Inches at 5s. and 26 Inches at 5s. 6d. a piece.

Tenant-Saws, *Harden'd Plates* (Extraordinary) are sold at 55s. per Dozen.

Two Hand-Peg Tooth and *Whip-Steel Saws*: Of these there are 13 different Sorts, which are sold from 6s. 6d. to 30s. a piece, viz.

Those of 3 Foot at 6s. 6d. 3 Foot $\frac{1}{2}$ at 7s. 6d. 4 Foot at 9s. 4 Foot $\frac{1}{2}$ at 10s. 5 Foot at 11s. 5 Foot $\frac{1}{2}$ at 13s. 6 Foot at 15s. 6 Foot $\frac{1}{2}$ at 16s. 7 Foot at 17s. 7 Foot



7 Foot $\frac{1}{2}$ at 20s. 8 Foot at 22s. 8 Foot $\frac{1}{2}$ at 25s. and 9 Foot at 30s. a piece.

Rib-Steel-Saws are sold *singly*, viz.

Those of 5 Foot at 8s. 5 Foot $\frac{1}{2}$ at 9s. and 6 Foot at 10s. a piece.

White's-Saws.

Hand-Saw, Whet and Set, are sold *singly*, viz.

Those of 22 Inches at 6s. 24 Inches at 6s. 6d. and 26 Inches at 7s. a piece.

Panel Saws, made per *White*, Whet and Set, are sold at 6s. a piece.

Tenant Saws, made per *White*, Whet and Set, are sold at 7s. a piece.

Whip-Saws, made per *White*, Whet and Set, with Tillers, and Set: Of these there are 7 Sizes, which are sold as follow, viz.

Those of 6 Foot at 28s. 6 Foot $\frac{1}{2}$ at 32s. 7 Foot at 34s. 7 Foot $\frac{1}{2}$ at 38s. 8 Foot at 42s. 8 Foot $\frac{1}{2}$ at 44s. 9 Foot at 50s.

Iron-Saws.

Iron-Hand Saws are sold per the *Dozen*, viz.

Those of 17 Inches at 8s. 18 Inches at 9s. 19 Inches at 10s. 20 Inches at 12s. 22 Inches at 13s. and 24 Inches at 16s. per *Dozen*.

Iron-Two-Hand, Peg-Tooth, and Whip-Saws, are sold *singly*, viz.

Those of 3 Foot at 3s. 3 Foot $\frac{1}{2}$ at 3s. 6d. 4 Foot at 4s. 4 Foot $\frac{1}{2}$ at 4s. 6d. 5 Foot at 5s. 5 Foot $\frac{1}{2}$ at 5s. 6d. 6 Foot at 6s. 6d. 6 Foot $\frac{1}{2}$ at 7s. and 7 Foot at 7s. 6d.

Hand-Saw-Screws are sold at 6s. per *Gross*.

Hand Saw-Setts are sold at 2s. per *Dozen*.

But the *very best* are 3s. per *Dozen*.

Stone-Saws are sold at 35s. per *Hundred Weight*.

Chizels.

There are several Sorts of *Chizels*, viz. *Firmers* and *Gouges*, *Mortice-Chizels*, *Pairing-Chizels*, *Broad-Chizels*, *Heading-Chizels*, *Scribing-Chizels*, *Turning-Chizels*, and *Socket Gouges*; all which are sold by the *Dozen*.

196 *Compasses, Trowels.*

Firmers and Gouges shouldered, those of an Inch or under, at 20d. per Dozen; those from an Inch $\frac{1}{4}$ to an Inch an half, at 2s. per Dozen; those from an Inch $\frac{3}{4}$ to 2 Inches at 2s. 6d. per Dozen.

N. B. Of these there are a longer Sort, which are 4s. per Dozen.

Mortice Chizels at 4s. 6d. per Dozen.

Pairing-Chizels at 7s. per Dozen.

N. B. There are a better Sort of *Pairing-Chizels*, which are 8s. per Dozen.

Broad-Chizels are 7s. per Dozen.

Heading-Chizels, those of $\frac{1}{2}$ Inch, are 4s. per Dozen.

And those of $\frac{3}{4}$ Inch, and Inch, are 6s. per Dozen.

Scribing-Chizels are 5s. per Dozen; *Turning Chizels* and *Gouges* are 5s. 6d. per Dozen.

Socket-Gouges are 5s. per Dozen.

Compasses.

Of these there are 7 Sizes, which are sold from 20d. to 3s. 4d. per Dozen, viz.

At 20d. at 2s. at 2s. 3d. at 2s. 6d. at 2s. 9d. at 3s. at 3s. 4d. per Dozen.

Compasses with *Steel Sweeps*, are of different Sizes, and are sold singly, viz.

Those of 12 Inches at 2s. 6d. 13 Inches at 2s. 9d. 14 Inches at 3s. and 15 Inches at 3s. and 6d. per Pair.

Trowels.

Of these there are the following Sorts, viz.

Brick-Trowels at 10s. per Dozen.

Setting-Trowels at 7s. per Dozen.

Stopping-Trowels at 8s. per Dozen.

Stone-Trowels at 10s. per Dozen; and

Laying-Trowels at 10s. per Dozen.

Jack, or Hand-Screws (Single).

Of these there are several Sizes, which are sold by the Pair, viz.

Those of $\frac{1}{2}$ Inch at 16s. those of $\frac{3}{4}$ Inch at 25s. those of $\frac{7}{8}$ Inch at 26s. those of an Inch at 30s. those of Inch $\frac{1}{8}$ at 31s. those of Inch $\frac{1}{4}$, Inch $\frac{3}{8}$, and Inch $\frac{1}{2}$, at 40s. a Pair.

Jack, or Hand-Screws (Double).

Are sold by the Pair; viz. those of Inch $\frac{1}{4}$ at 40s. and those of Inch $\frac{1}{2}$ at 80s.

Bolts

Bolts.

There are several Sorts of Bolts, viz. *Balcony-Bolts*, *Spring-Bolts*, *Sash-Bolts*, and *Shutter-Bolts*.

Some *Balcony-Bolts* are sold by the *Dozen*, and some by the *Pair*; there are 10 Sorts of those which are sold per *Dozen*, viz.

At 6s. at 7s. at 9s. at 12s. at 15s. at 18s. at 22s. at 24s. at 26s. and at 28s. per *Dozen*.

Balcony-Bolts, sold by the *Pair*, of these there are eight Sorts, viz.

At 3s. at 3s. 6d. at 4s. 6d. at 5s. at 5s. 6d. at 7s. at 9s. and at 12s. per *Pair*.

Spring Bolts, and *Sash-Bolts*, are sold by the *Dozen*, and of these there are 15 Sorts, viz.

At 1s. 6d. at 1s. 10d. at 2s. 3d. at 2s. 4d. at 2s. 9d. at 3s. 6d. at 4s. at 4s. 6d. at 5s. 6d. at 6s. 6d. at 9s. at 12s. at 13s. at 15s. and at 18s. per *Dozen*.

Shutter-Bolts are sold per the *Dozen*; and of these there are 5 Sorts, viz.

At 10s. at 12s. at 14s. at 16s. and at 18s. per *Dozen*.

Latches.

Of these there are several Sorts, viz. *Long-Tinned Latches*; *Varnished Latches*; *Spring* and *Thumb-Latches*; with *Brass-Knobs*, and *Rimmed-Latches*.

Long-Tinned Latches are sold by the *Doz.* and of these there are 7 Sorts, viz.

At 2s. 3d. at 2s. 6d. at 3s. at 4s. at 4s. 6d. at 6s. and at 7s. per *Dozen*.

Varnish'd-Latches are sold by the *Dozen*, and of these there are 5 Sorts, viz.

At 2s. 6d. at 3s. at 4s. at 6s. and at 8s. per *Dozen*.

Spring and *Thumb Latches* are sold by the *Dozen*, and of these there are 9 Sorts, viz.

At 3s. 6d. at 4s. at 4s. 6d. at 5s. 6d. at 7s. at 8s. at 9s. at 12s. and at 14s. per *Dozen*.

Latches with *Brass-Knobs* are sold by the *Dozen*, and of these there are 3 Sorts, viz.

At

At 14s. at 16s. and at 18s. per Doz.

Rimmed-Latches: Of these there are sundry Sorts, *viz.* Iron Cased, Brass-Cased, and some *Sliding-Cased*, and some not Cased; these are sold *singly*, and are from 1s. 10d. to 16s. a piece, *viz.*

At 1s. 10d. at 2s. 2d. at 2s. 4d. at 3s. at 3s. 6d. at 4s. at 4s. 6d. at 5s. 6d. at 6s. 6d. at 8s. 6d. at 9s. at 10s. at 12s. at 13s. and at 16s. a piece.

Hinges.

There being several Sorts and many Sizes of Hinges, the *Wholesale Smiths* and *Ironmongers*, to avoid, as much as possible, too great a Multiplicity of Prices, have contrived to *class* and consider several Sorts *together*, after such a Manner, that the Prices set down under each *Class* or *Sortment* are applicable to the whole.

Black-Hinges, Chest Hinges, Chest-Hasp, Hooks and Hinges, Scuttle-Hinges, Strap-Hinges.

The above Sorts are sold by the *Dozen* as follows, *viz.*

At 3s. 3d. at 4s. 3d. at 5s. 3d. at 6s. 3d. at 7s. 6d. at 8s. 6d. and at 10s. 6d. per Dozen.

Cross Garnet-Hinges, with rising Joints, are sold by the *Dozen*; and from 6s. 6d. to 15s. 6d. *viz.* at 6s. 6d. at 8s. 6d. at 10s. 6d. at 13s. 6d. and at 15s. 6d. per Dozen.

Cross-Garnet and Scuttle-Hinges that are *weighty*, are sold at 32s. 6d. per *Hundred Weight*.

But if more than 25 Pair to the *Hundred Wt.* then at 12d. per *Hundred* more.

Cross-Garnet-Hinges, with filed Joints, are sold at 37s. 6d. per *Hundred Weight*.

Hinges with Hooks are sold at 30s. per *Hundred Weight*. *N. B.* Sometimes they have *Stay-Hooks*, and then they are 2s. per *Hundred* more.

Holdfasts and Wall-Hooks are sold at 33s. per *Hundred Weight*.

Ditto for *Joiners*, are sold at 4d. $\frac{1}{2}$ per *Pound*.

Hooks and Eyes for Gates are sold at 3d. $\frac{1}{2}$ or 3d. $\frac{1}{4}$ per *Pound*.

The cheaper Sort of Hinges, are *Lan- casbire Hinges, Balcony Hinges, Chest-*
Hinges,

Hinges, *Dove-Tailed Hinges*, *Craft-Garnet Hinges*, *Shutter Hinges*, *Side Hinges*, *Pew Hinges*, *Box Hinges*, and *Bull Hinges*.

N. B. These Sorts are sold by the Dozen, viz.

At 1s. at 1s. 2d. at 1s. 6d. at 2s. 6d. at 3s. at 4s. at 5s. at 8s. at 10s. at 12s. at 14s. at 16s. at 18s. at 20s. at 24s. and at 30s. per Dozen.

Smooth filed Hinges, viz. *Balcony Hinges*, *Box Hinges*, *Chest Hinges*, *Clock-Case Hinges*, *Desk Hinges*, *Pew Hinges*, *Shutter Hinges*, *Side Hinges*, and *Tumblers*.

N. B. These Hinges are sold by the Dozen, as follows, viz.

At 1s. 6d. at 1s. 8d. at 1s. 9d. at 2s. at 2s. 2d. at 2s. 6d. at 3s. at 3s. 6d. at 4s. at 4s. 6d. at 5s. 6d. at 7s. at 9s. at 10s. at 11s. at 14s. at 16s. at 20s. at 22s. at 24s. at 26s. at 30s. at 36s. and at 42s. per Dozen.

Some *smooth filed Hinges* are sold by the Pair, and are from 4s. to 7s. viz.

At 4s. at 5s. at 5s. 6d. at 6s. and at 7s. a Pair.

The *best IL Hinges* are sold by the Pair, viz.

Those of 6 Inches at 9d. 7 Inches at 10d. 8 Inches at 1s. 9 Inches at 1s. 2d. 10 Inches at 1s. 6d. 11 Inches at 2s. and 12 Inches at 2s. 9d. a Pair.

N. B. There are *larger Sizes*, which are sold at 10d. per Pound.

IL Hinges, with *rising Joints*, are sold by the Pair, as follows, viz.

Those of 7 Inches at 1s. 2d. 8 Inches at 1s. 6d. 9 Inches at 1s. 9d. 10 Inches at 2s. 2d. 11 Inches at 3s. and 12 Inches at 4s. a Pair.

N. B. There are *larger Sizes*, which are sold at 10d. per Pound.

Pew Hinges are sold by the Dozen, as follows, viz.

Those of 6 Inches at 9s. 7 Inches at 13s. 8 Inches at 17s. 9 Inches at 21s. and 10 Inches at 26s. per Dozen.

Shutter Hinges are sold by the Dozen, viz.

Those of 6 Inches at 7s. 7 Inches at 10s. 8 Inches at 12s. and 9 Inches at 16s. per Dozen.

Side Hinges are sold by the *Dozen*, as follows, viz.

5 Inches at 4s. 6d. 6 Inches at 6s. 7 Inches at 8s. 8 Inches at 10s. 9 Inches at 12s. and 10 Inches at 13s. per *Dozen*.

The *best Dove tail'd Hinges* are sold by the *Pair*, viz.

Those of 3 Inches at 3s. 3 Inches $\frac{1}{2}$ at 4s. 4 Inches at 4s. 6d. 4 Inches $\frac{1}{2}$ at 5s. and 5 Inches at 6s. a *Pair*.

Locks.

The different Sorts of *Locks* are almost innumerable, as it respects the *Making* and *Contriving* their *Wards* and *Guards*, &c. and a more particular Account than what I shall give of them would, by the Generality of Readers, I presume, be thought superfluous: the *Locks* I shall exhibit the Prices of, are,

1. *Bastard Banbury Stock Locks*.
2. *Livery Stock Locks*.
3. *Plate Stock Locks*.
4. *Plate Closet Locks*; ditto with *Screws*, ditto with *single Springs*; ditto with *double Springs*.
5. *Spring Stock Locks*, twice Dead; *Spring Stock Locks*, twice Dead, in *Suite*.
6. *Iron-Rimm'd Locks*, once Dead; twice Dead and *Pull-Back*, with *Brass Knobs*; *One Bolt*, *Two Bolts*, and *Three Bolts*, plain, and *Wards bound*.
7. *Brass-Rimm'd Locks*; *Closet* with *Spindles*; not *cased*, *cased*, and *Sliding Case*.
8. *D Gate Locks*, with *two Wards*, *three Wards*, *Steel-Wards*, *Slit-Key*, or *Letter-Key*.
9. *Hanging-Locks*; *Pad-Locks*; *Slit-Key'd-Locks*; *Bridg'd*, and *Secret Pad-Locks*.
10. *Cabinet Locks*, *Box Locks*, *Cup-board Locks*, and *Till Locks*.
11. *Cabinet Locks*, *Till Locks*, *Scrutore Locks*, *Desk Locks*, *Book-Case Locks*, in *Suite*; *Five Locks*, and *one Key*.
12. *Inside Locks*, for *Chests*, *Desks*, *Tills*, *Cupboards*, and *Boxes*, viz.
X *Keys*, X *Wards*, XX *Wards*, XX and *Bullet Wards*; S *Bitted*, &c.

13. *Outside Locks for Boxes, Chests, Trunks, and Band Boxes.*

14. *Very small X Ward, Cupboard, and Till Locks.*

I shall begin with those which the *Wholesale-Dealers* price distinctly; and it must be observed, (by such as would attain a true Notion of these Things) that as it was in the Case of *some Hinges*, so it is in the Case of *some Locks*; the *Wholesale Ironmongers and Smiths*, to avoid, as much as possible, too great a Multiplicity of Prices, have contrived to *class*, or *sort*, several Kinds of Locks together, so that the Prices set down shall be applicable to all the *Sorts* in each *Class*.

Bastard-Banbury Stock-Locks, are sold by the *Dozen*, viz.

At 6s. at 7s. at 8s. and at 9s. per *Dozen*.

Livery Stock Locks are sold from 6s. 6d. to 24s. per *Dozen*, viz.

At 6s. 6d. at 8s. 6d. at 9s. at 11s. at 14s. at 16s. at 20s. at 22s. and at 24s. per *Dozen*.

Plate Stock-Locks are sold from 8s. to 27s. per *Dozen*. viz.

At 8s. at 9s. at 11s. at 12s. at 14s. at 16s. at 20s. at 22s. at 24s. and at 27s. per *Dozen*.

Plate-Closet-Locks; of these some are sold by the *Dozen*; some are sold *singly*, with *Screws*; some are sold *singly*, with *single Springs*; and some are sold *singly*, with *Double Springs*: Those sold by the *Dozen* are from 11s. to 20s. viz.

At 11s. at 12s. at 14s. at 16s. and at 20s. per *Dozen*.

Those sold *singly* with *Screws*, are from 16d. to 3s. 6d. a piece, viz.

At 1s. 4d. at 1s. 8d. at 1s. 10d. at 2s. 2d. at 2s. 9d. and at 3s. 6d. a piece.

Those sold *singly* with *single Springs*, are sold from 6s. 6d. to 9s. a piece, viz.

At 6s. 6d. at 7s. at 8s. and at 9s. a piece.

Those sold *singly*, with *double Springs*, are sold from 12s. to 16s. a piece, viz.

At 12s. at 14s. and at 16s. a piece.

Spring Stock-Locks, *twice Dead*, are

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sold

fold from 2s. 2d. to 9s. 6d. a piece, viz.

At 2s. 2d. at 2s. 4d. at 2s. 10d. at 3s. 6d. at 4s. 6d. at 5s. 6d. at 7s. at 8s. and at 9s. 6d. a piece.

Spring Stock-Locks, twice Dead, in Suite, are from 11s. to 50s. viz.

At 11s. at 14s. at 16s. at 20s. at 22s. at 24s. at 26s. at 33s. at 40s. and at 50s. a piece.

Iron-Rimm'd-Locks are of sundry Sorts, viz.

Once Dead, twice Dead, and Pull-Backs, with Brass-Knobs, one Bolt, two Bolts, and three Bolts; plain, and Wards bound.

Brass-Rimm'd Locks, Closet, with Spindles, not cased, cased, and Sliding-Cased.

N. B. *The above Locks are of several Prices, viz. from 11d. to 32s. a piece, viz.*

At 11d. at 1s. at 1s. 2d. at 1s. 6d. at 1s. 7d. at 1s. 10d. at 2s. 2d. at 2s. 4d. at 2s. 6d. at 2s. 9d. at 3s. at 3s. 6d. at 4s. at 4s. 3d. at 4s. 6d. at 4s. 9d. at 5s. 6d. at 6s. at 6s. 6d. at 7s. 6d. at 8s. at 8s. 6d. at 9s. at 9s. 6d. at 10s. at 12s. at 13s. at 16s. at 18s. at 21s. at 24s. at 26s. and at 32s. a piece.

Besides those *Iron-Rimm'd Locks*, and *Brass-Rimm'd-Locks*, before-mentioned, there are also 26 Sorts, which are sold in Suite, viz.

At 14s. at 16s. at 19s. at 21s. at 24s. at 26s. at 28s. at 30s. at 33s. at 36s. at 38s. at 42s. at 48s. at 54s. at 60s. at 65s. at 68s. at 70s. at 76s. at 84s. at 90s. at 5l. at 5l. 10s. at 6l. at 6l. 10s. and at 7l. per Suite.

D Gate Locks, if two Wards, three Wards, Steel Wards, Slit Key, or Letter-Key; are from 2s. 6d. to 14s. per Dozen, viz.

At 2s. 6d. at 2s. 9d. at 3s. at 3s. 4d. at 3s. 6d. at 4s. at 4s. 6d. at 5s. at 7s. at 7s. 6d. at 8s. at 9s. at 11s. and at 14s. a Dozen.

Hanging-Locks, Pad-Locks, Slit-key'd-Locks, are from 3s. 6d. to 16s. per Dozen, viz.

At

At 3s. 6d. at 4s. at 4s. 6d. at 5s. 6d.
at 7s. at 8s. at 9s. at 10s. 6d. at 12s.
at 14s. and at 16s. per Dozen.

Bridg'd and Secret Pad-Locks; some
are from 9s. to 16s. per Dozen, viz.

At 9s. at 11s. at 14s. and at 16s. a
Dozen.

Bridg'd and Secret Pad-Locks, some
are sold singly, and those are from 20d.
to 5s. 6d. a piece, viz.

At 1s. 8d. at 1s. 10d. at 2s. 2d. at
2s. 6d. at 2s. 9d. at 3s. 6d. at 4s. and
at 5s. 6d. a piece.

*Cabinet-Locks, Box-Locks, Cupboard-
Locks, Till Locks*, (whether in Suite or
not) are from 3s. 6d. to 16s. per Dozen,
viz.

At 3s. 6d. at 3s. 8d. at 4s. at 4s. 6d.
at 5s. 6d. at 7s. at 8s. at 10s. at 11s.
at 14s. and at 16s. per Dozen.

*Cabinet-Locks, Till-Locks, Escutore-
Locks, in Suite, Five Locks and One Key,
Desk Locks, and Book Case Locks*, are
from 2s. to 7s. a piece, viz.

At 2s. at 2s. 6d. at 3s. at 3s. 6d. at
4s. at 5s. 6d. and at 7s. a piece.

N. B. *There are some of higher Price,
but not of common Use.*

*Of Inside Locks for Chests, Desks, Tills,
Cupboards, and Boxes*, there are sundry
Sorts, viz.

X Keys, X Wards, XX Wards, XX
and Bullet-Wards, S Bitted-Spring, &c.
and these are sold from 3s. 2d. to 36s.
per Dozen, viz.

At 3s. 2d. at 3s. 6d. at 4s. at 4s. 4d.
at 4s. 6d. at 4s. 8d. at 5s. 3d. at 5s.
6d. at 5s. 8d. at 7s. at 8s. at 9s. at
11s. at 12s. at 14s. at 16s. at 20s. at
22s. at 26s. at 28s. and at 36s. a Dozen.

*Inside-Locks, not sold in Dozens, but
single, viz.*

At 2s. 2d. at 3s. at 3s. 6d. at 4s. 6d.
at 5s. at 5s. 6d. at 7s. at 8s. and at
11s. a piece.

Out-side Box and Chest-Locks, sold by
the Dozen, and are from 3s. 2d. to 19s.
viz.

At 3s. 2d. at 3s. 6d. at 4s. at 4s. 6d.
at 5s. 6d. at 7s. at 7s. 6d. at 8s. at 9s.
6d. at 11s. at 14s. at 16s. and at 19s.
per Dozen.

Out-

Out-side-Locks for *Trunks* and *Band-Boxes*, are sold at 5s. 6d. *Ditto* plain *Drill'd*, at 7s. *X Ward* at 8s. *Raised* at 14s. per *Dozen*.

Ditto Small *X Wards Cupboard* and *Till Locks*, are sold per *Dozen*, *viz.*

At 4s. 6d. and at 5s. per *Dozen*.

IRON WORK.

Done by the *Pound Weight*, is
Casements for *Windows*, *Cross-Win-*
ow-Bars, *filed*, and *Work* of the like
Nature, at 4d. $\frac{1}{2}$ per *Pound*.

Iron Doors, and *Shutters*, at 10d. per
Pound.

All *hammer'd Work*, as *Chimney-*
Bars, *Stays*, *Upright - Window - Bars*,
Iron - Fenders, *Shutter-Bars*, *Pump-*
Work, *Bolts*, *Saddle Bars*, *Cramps*,
Hold-fasts, *Wall-Hooks*, *Gudgeons*,
Hoops, and all *Black Work* of the same
Nature, at 3d. $\frac{1}{2}$ per *Pound*.

Pins, *Hoops*, *Chains*, *Hooks*, &c. to
stable Bails, at 4d. per *Pound*.

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